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Annual Report
of the
Street Commissioner

OF THE

CITY OF NEWPORT
RHODE ISLAND
1907

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ANNUAL REPORT

Compliments of
J. K. Sullivan,
Street Commissioner.

Francis M. Sisson, Clerk.

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Annual Report of Street Commissioner.

To the Honorable Board of Aldermen, City of Newport, R. I.

Gentlemen:—The Street Commissioner respectfully submits the following report of operations and expenditures of the Department of Streets and Highways during the municipal year of 1907:

CITY WHARF.

Your attention is respectfully called to the wornout condition of the piling and caplogs of the City Wharf, and this matter should receive prompt repair before any serious damage should occur.

The Roller House should receive a concrete floor. I would also recommend that the stable be extended, because at present, owing to congested conditions, we are obliged to keep some of the horses in outbuildings. Early in the spring we had a shed built to protect some of the carts and which work was performed under contract by Mr. William H. Langley, for the sum of one hundred and sixty-five ($165.00) dollars.

HORSES AND CARTS.

Two horses were purchased this year for the use of the department, in accordance with a resolution passed by the Board of Aldermen, for the sum of five hundred ($500.00) dollars; one condemned horse was sold in the early spring to Mr. James J. Dugan, for the sum of seventy ($70.00) dollars: the condemned grey mare was kept until this fall, when she was sold to Mr. Richard J. Lawton for the sum of twenty-five ($25.00) dollars. This grey mare gave this department excellent service during the busy season, moving supplies, etc., for the steam rollers, sewer cleaners, and other odd jobs too numerous to mention; the service derived from this horse more than paid for its keep. I would recommend that permission be granted to this department each year for the purchase of a cheap horse to be used during the working season and to be sold again in the fall. The carts are in very good condition at present with the exception of one of the iron sanitary carts, which can be repaired at a nominal cost.

CLEANING STREETS.

The street cleaning part of the department is divided into various sections; Sections No. 1 and No. 2 cover the most thickly inhabited part of the city, other than the permanent pavements and they each sweep an average of about 29 miles in length or an

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area of about 391,514 square yards each month. Sections No. 3 and No. 4 cover mostly the suburban districts, and in addition to sweeping streets they do weeding, mowing of grass, trimming edges, and perform various odd jobs of repairs to the streets and sidewalks; they each cover about 20 miles in length, or an area of about 394,000 square yards, each month. Section No. 5 is employed only on Bellevue Avenue, which they cover about twice per day.

The above mentioned sweepers are employed only part of the year, which is regulated by weather conditions. This year the season commenced on April 3 and ended on November 23, and at a total cost of $15,711.83.

A few boys are employed during the summer months to gather and pick up waste paper from the streets.

The permanent pavements of Thames and Spring Streets, Long Wharf, and Broadway, including Washington Square, are swept throughout the year, except upon extreme cold weather or when the pavements are covered with snow. The expense of sweeping these paved streets varies in cost each year, owing to light or heavy snowfalls.

REMOVAL OF SNOW AND ICE.

The frequent and heavy snowfalls we have experienced this year has increased the cost of the removal of snow and ice, graveling crossings and permanent pavements, clearing gutters, crosswalks and breaking out snowdrifts in the suburban districts. The total cost being $4,087.16, or an increase of $3,466.74 over last year.

COLLECTION AND DISPOSAL OF CITY GARBAGE.

The new five-year contract for the collection and disposal of the city garbage, which was awarded to Mr. James J. Dugan, came into effect in January, this year. Very few complaints have been made to this office for non-collection, which is very creditable to the contractor and a guarantee that he is giving entire satisfaction to the public. What few complaints have been made have been promptly adjusted by the contractor. Soon after this new contract was in operation I had ten thousand copies of "Garbage Regulations" printed and distributed to every householder in the city.

Two men, one at each dump, are employed throughout the year to level off and burn up the rubbish, etc.

I with pleasure report that Miss Anna F. Hunter, without solicitation, has kindly given permission to this department to fill in a tract of her land in connection with the uptown dump, an area of about three acres.

CLEARING SEWERS.

We have about 41 miles of sewers, which necessitates the

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employment of four men constantly all the year to flush and keep them clear, the expense of which this year was $2,245.44, or about $54.77 per mile.

I would suggest that no more main sewers be constructed less than ten inches in diameter, because I find that over fifteen miles of the sewerage system of this city is comprised of eight-inch pipe, which is of too small capacity to take care of all waste and storm water.

During the year there has been reported to this department several defective sewer connections, the result of which has considerably inconvenienced the residents of the localities where these improper connections were found. These connections were repaired and put in proper condition by this department. I would recommend that Chapter 54, Section 3, of the City Ordinances be amended as follows: That all sewer connections must be inspected by the Street Commissioner or his assistant before the trench of any drain is back filled.

About seventy-five tons of gravel taken from the main sewers was used for re-laying crossings and other work. A net saving to the department of about seventy ($70.00) dollars.

WATERING STREETS.

This office has been diligently at work during the year to determine the amount of water used and the mileage and area covered by the watering of streets. The total cost of watering this year was $10,630.89, or $158.67 per mile watered, during the season. We water about 67 miles of streets. Watering of streets commenced on May 13, and continued until November 14, when the hired teams were retired; the city teams continued the work as long as possible.

I recommend the purchase of two single watering carts to take the place of wornout carts.

We take pleasure in submitting to your honorable body and the public in general the following statistics on the street watering, viz.:

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STREET WATERING.

Double Cart No. 25. Capacity 600 Gals. Loads per day. Fresh 34; Salt 2. Gallons used per day. Fresh 20,400, Salt, 1,200.

1907	Days Watered.	Totals Gallons of water used			Mileage of Streets Watered			Area of Streets Watered		
		Fresh	Salt	Total	Fresh	Salt	Total	Sq. yds. Fresh	Sq. yds. Salt	Sq. yds Total
May	12.2	249,900	14,700	264,600	134.14	37.36	171.50	2,081,432.78	526,455.51	2,607,888.29
June	23	469,200	27,600	496,800	251.86	70.15	322.00	3,907,006.24	988,447.08	4,895,453.32
July	26.4	540,000	31,800	572,400	290.17	80.83	371.00	4,502,391.32	1,138,862.94	5,641,254.26
Aug.	25.6	525,500	30,900	556,200	281.96	78.54	360.40	4,375,256.66	1,106,630.97	5,481,887.63
Sept.	14.4	296,800	17,400	313,200	158.77	44.23	203.00	2,463,736.76	623,151.42	3,086,888.18
Oct.	22.2	453,900	26,700	480,600	243.64	67.86	311.50	3,780,501.58	956,215.11	4,736,716.69
Nov.	3.4	71,400	4,200	75,600	38.33	10.68	49.01	594,695.08	150,415.86	745,110.94
	127.6	2,606,100	153,300	2,759,400	1,396.86	389.64	1,786.50	21,705,370.42	5,490,178.80	27,195,549.31

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STREET WATERING.

Double Cart No. 27. Capacity 600 Gals. Loads per day—Fresh 40; Salt, none; Gallons used per day—Fresh, 24,000; Salt None.

1907	Days Watered.	Totals Gallons of water used			Mileage of Streets Waterered			Area of Streets Watered		
		Fresh	Salt	Total	Fresh	Salt	Total	Sq. yds. Fresh	Sq. yds. Salt	Sq. yds. Total
May	13-2	318,000	--------	318,000	161.52	------	161.52	2,341,382.06	----------	2,341,382.06
June	23	552,000	--------	552,000	280.37	------	280.37	4,064,285.84	----------	4,064,285.84
July	26-3	633,000	--------	633,000	321.51	------	321.51	4,660,675.61	----------	4,660,675.61
Aug.	25-7	621,000	--------	621,000	315.41	------	315.41	4,572,321.57	----------	4,572,321.57
Sept.	15-3	369,000	--------	369,000	187.42	------	187.42	2,716 886.73	----------	2,716,886.73
Oct.	23	552,000	--------	552,000	280.37	------	280.37	4,064,285.84	----------	4,064,285.84
Nov.	4-6	114,000	--------	114,000	57.90	------	57.90	839,363.38	----------	839,363.38
	131-5	3,159,000	--------	3,159,000	1,604.50	------	1,604.50	23,259,201.03	----------	23,259,201.03

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STREET WATERING.

Double Cart No. 28. Capacity 600 Gals. Loads per day—Fresh 30; Salt 4; Gallons used per day—Fresh 18,000; Salt 2,400.

1907	Days Watered.	Totals Gallons of water used			Mileage of Streets Watered			Area of Streets Watered		
		Fresh	Salt	Total	Fresh	Salt	Total	Sq. yds. Fresh	Sq. yds. Salt	Sq. yds Total
April	7-4	135,000	18,000	153,000	33.15	3.68	36.83	631,539.00	129,999.90	761,538.90
May	11-4	207,000	27,600	234,600	50.83	5.63	56.46	968,359.80	199,333.18	1,167,692.98
June	18-6	337,500	45,000	382,500	82.88	9.19	92.07	1,578,847.50	324,999.75	1,903,847.25
July	20-6	373,500	49,800	423,300	91.71	10.16	101.87	1,747,257.90	359,666.39	2,106,924.29
Aug.	23-4	423,000	56,400	479,400	103.87	11.52	115.39	1,978,822.20	407,333.02	2,386,155.22
Sept.	12-2	220,500	29,400	249,900	54.15	6.00	60.15	1,031,513.70	212,333.17	1,243,846.87
Oct.	6	108,000	14,400	122,400	26.52	2.94	29.46	505,231.20	103,999.92	609,231.12
	100-2	1,804,500	240,600	2,045,100	443.11	49.12	492.23	8,441,571.30	1,737,665.33	10,179,236.63

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STREET WATERING.

Double Cart No. 29. Capacity 600 Gals. Loads per day—Fresh 36;
Salt None; Gallons used per day—Fresh 21,600; Salt, None

1907	Days Watered.	Totals Gallons of water used			Mileage of Streets Watered			Area of Streets Watered		
		Fresh	Salt	Total	Fresh	Salt	Total	Sq. yds. Fresh	Sq. yds. Salt	Sq. yds Total
May	12	259,200	--------	259,200	141.48	------	141.48	2,146,959.60	----------	2,146,959.60
June	18-2	394,200	--------	394,200	215.16	------	215.16	3,265,167.72	----------	3,265,167.72
July	22-3	483,300	--------	483,300	263.81	------	263.81	4,003,185.09	----------	4,003,185.09
Aug.	24-2	532,800	--------	532,800	285.91	------	285.91	4,338,647.52	----------	4,338,647.52
Sept.	10-7	234,900	--------	234,900	128.21	------	128.21	1,945,682.14	----------	1,945,682.14
Oct.	19-2	415,800	--------	415,800	226.96	------	226.96	3,444,081.03	----------	3,444,081.03
Nov.	3-4	75,600	--------	75,600	41.27	------	41.27	626,196.55	----------	626,196.55
	110-4	2,386,800	--------	2,386,800	1,302.80	------	1,302.80	19,769,919.65	----------	19,769,919.65

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STREET WATERING.

Double Cart No. 30. Capacity 600 Gals. Loads per day Fresh 10; Salt 17; Gallons used per day Fresh 6000; Salt 10,200

1907	Days Watered.	Totals Gallons of water used			Mileage of Streets Watered			Area of Streets Watered		
		Fresh	Salt	Total	Fresh	Salt	Total	Sq. yds. Fresh	Sq. yds. Salt	Sq. yds. Total
May	11	66,000	112,200	178,200	33 55	33 33	66 88	478,907.00	625,777 08	1,104,684 85
June	18·4	111,000	188,700	299,700	56 43	56 06	112 49	805,435 61	1,059,444 98	1,865,870 80
July	22-4	135,000	229,500	364,500	68 62	68 17	136 79	979,588 85	1,970,000 80	2,950,588 66
Aug.	24-2	145,500	247,350	392,850	73 96	73 48	147 44	1,055,778 71	1,970,555 34	3,026,330 66
Sept.	11-7	71,250	121,125	192,375	36 22	35 98	72 20	517,009 58	675,555 45	1,192,555 08
Oct.	13	78,000	132,600	210,600	39 65	39 39	79 04	565,081 78	780,555 44	1,346,637 33
	101-1	606,750	1,031,475	1,638,225	308 43	306 41	614 84	4,402,085 19	5,759,887 00	10,155,578 18

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STREET WATERING.

Double Cart No. 31. Capacity 600 Gals. Loads per day—Fresh None; Salt 10; Gallons used per day—Fresh None; Salt 6,000.

1907	Days Watered.	Totals Gallons of water used			Mileage of Streets Watered			Area of Streets Watered		
		Fresh	Salt	Total	Fresh	Salt	Total	Sq. yds. Fresh	Sq. yds. Salt	Sq. yds Total
May	11-2	--------	67,500	67,500	------	78.98	78.98	----------	1,483.319.93	1,483.319.93
June	18-6	--------	112,500	112,500	------	131.62	131.62	----------	2,472,199.87	2,472,199.87
July	23-4	--------	141,000	141,000	------	164.97	164.97	----------	3,098,490.51	3,098,490.51
Aug.	24-6	--------	148,500	148,500	------	173.75	173.75	----------	3,263,303.84	3,263,303.84
Sept.	12	--------	72,000	72,000	------	84.24	84.24	----------	1,582,207.92	1,582,207.92
Oct.	13	--------	78,000	78,000	------	91.26	91.26	----------	1,714,058.58	1,714,058.58
	103-2	--------	619,500	619,500	------	724.82	724.82	----------	13,613,580.65	13,613,580.65

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STREET WATERING.

Double Cart No. 32. Capacity 700 Gals. Loads per day—Fresh 35; Salt None. Gallons used per day—Fresh 24,500; Salt None.

1907	Days Watered.	Totals Gallons of water used			Mileage of Streets Watered			Area of Streets Watered		
		Fresh	Salt	Total	Fresh	Salt	Total	Sq. yds. Fresh	Sq. yds. Salt	Sq. yds Total
May	12-2	300,125	--------	300,125	122.99	------	122.99	1,893,902.43	----------	1,893,902.43
June	23-2	569,625	--------	569,625	233.43	------	233.43	3,594,549.51	----------	3,594,549.51
July	26-4	649,250	--------	649,250	266.06	------	266.06	4,097,013.42	----------	4,097,013.42
Aug.	24-2	594,125	--------	594,125	243.47	------	243.47	3,749,153.79	----------	3,749,153.79
Sept.	14-3	352,188	--------	352,188	144.33	------	144.33	2,222,436.53	----------	2,222,436.53
Oct.	22-2	545,125	--------	545,125	223.39	------	223.39	3,439,945.23	----------	3,439,945.23
Nov.	4-4	110,250	--------	110,250	45.18	------	45 18	695,719.26	----------	695,719.26
	127-3	3,120,688	--------	3,120,688	1,278.85	------	1,278.85	19,692,720.17	----------	19,692,720.17

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STREET WATERING.

Double Team No. 33. Capacity 600 Gals. Loads per day—Fresh 20;
Salt None. Gallons used per day—Fresh 12,000; Salt None.

1907	Days Watered.	Totals Gallons of water used			Mileage of Streets Watered			Area of Streets Watered		
		Fresh	Salt	Total	Fresh	Salt	Total	Sq. yds. Fresh	Sq. yds. Salt	Sq. yds Total
June	14-2	171,000	--------	171,000	109.58	------	109.58	2,500,420.99	----------	2,500,420.99
July	21-2	255,000	--------	255,000	163.41	------	163.41	3,728,697.98	----------	3,728,697.98
Aug.	23-2	279,000	--------	279,000	178.79	------	178.79	4,079,634.25	----------	4,079,634.25
Sept.	7-7	94,500	--------	94,500	60.56	------	60.56	1,381,811.61	----------	1,381,811.61
	66-5	799,500	--------	799,500	512.34	------	512.34	11,690,564.83	----------	11,690,564.83

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STREET WATERING.

Single Cart No. 10. Capacity 350 Gals. Loads per day Fresh 50; Salt None. Gallons used per day Fresh 17,500; Salt None.

1907	Days Watered.	Totals Gallons of water used			Mileage of Streets Watered			Area of Streets Watered		
		Fresh	Salt	Total	Fresh	Salt	Total	Sq. yds. Fresh	Sq. yds. Salt	Sq. yds Total
May	12	210,000	--------	210,000	106.68	- - -	106.68	1,264,170.60		1,264,170.60
June	18-2	319,375	--------	319,375	162.24	------	162.24	1,922,606.48		1,922,606.48
July	20-7	365,312	--------	365,312	185.58	---- -	185.58	2,199,145.76		2,199,145.76
Aug.	23-2	406,875	--------	406,875	206.60	.	206.60	2,449,347.97		2,449,347.97
Sept.	19-3	181,563	--------	181,563	92.24	-- -	92.24	1,092,988.61		1,092,988.61
Oct.	19-2	336,875	--------	336,875	171.13	------	31.12	368,719.05		368,719.05
Nov.	3-4	61,250	--------	61,250	31.12		171.13	2,027,954.78		2,027,954.78
	107-4	1,881,250	--------	1,881,250	955.68	-- -	955.68	11,324,942.25		11,324,942.25

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STREET WATERING.

Single Cart No. 14. Capacity 350 Gals. Loads per day—Fresh 38; Salt None; Gallons used per day—Fresh 13,300; Salt None

1907	Days Watered.	Totals Gallons of water used			Mileage of Streets Watered			Area of Streets Watered		
		Fresh	Salt	Total	Fresh	Salt	Total	Sq. yds. Fresh	Sq. yds. Salt	Sq. yds Total
May	12	159,600	--------	159,600	77.40	------	77.40	833,111.76	----------	833,111.76
June	18-2	242,725	--------	242,725	117.71	------	117.71	1,267,024.14	----------	1,267,024.14
July	20-7	277,638	--------	277,638	134.64	------	134.64	1,449,267.33	----------	1,449,267.33
Aug.	23-2	309,225	--------	309,225	149.96	------	149.96	1,614,154.03	----------	1,614,154.03
Sept.	10-3	137,987	--------	137,987	66.92	------	66.92	720,294.54	----------	720,294.54
Oct.	19-2	256,025	--------	256,025	124.16	------	124.16	1,336,450.12	----------	1,336,450.12
Nov.	3-4	46,550	--------	46,550	22.58	------	22.58	242,990.93	----------	242,990.93
	107-4	1,429,750	--------	1,429,750	693.37	------	693.37	7,463,292.85	----------	7,463,292.85

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STREET WATERING.

Single Cart No. 16. Capacity 350 Gals. Loads per day—Fresh 41; Salt None. Gallons used per day—Fresh 14,350; Salt None.

1907	Days Watered.	Totals Gallons of water used			Mileage of Streets Watered			Area of Streets Watered		
		Fresh	Salt	Total	Fresh	Salt	Total	Sq. yds. Fresh	Sq. yds. Salt	Sq. yds Total
May	13	186,550	--------	186,550	80.08	------	80.08	1,096,766.84	----------	1,096,766.84
June	21-4	308,525	--------	308,525	132.44	------	132.44	1,813,883.62	----------	1,813,883.62
July	26-3	378,481	--------	378,481	162.47	------	162.47	2,225,171.19	----------	2,225,171.19
Aug.	25-2	362,338	--------	362,338	155.54	------	155.54	2,130,258.67	----------	2,130,258.67
Sept.	14-1	202,694	--------	202,694	87.01	------	87.01	1,191,679.35	----------	1,191,679.35
Oct.	22-2	319,288	--------	319,288	137.06	------	137.06	1,877,158.63	----------	1,877,158.63
Nov.	4-4	64,575	--------	64,575	27.72	------	27.72	379,650.06	----------	379,650.06
	127	1,822,451	--------	1,822,451	782.32	------	782.32	10,714,568.36	----------	10,714,568.36

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STREET WATERING.

Single Cart No. 17. Capacity 300 Gals. Loads per day—Fresh 45:
Salt None. Gallons used per day—Fresh 13,500; Salt None

1907	Watered. Days	Totals Gallons of water used			Mileage of Streets Watered			Area of Streets Watered		
		Fresh	Salt	Total	Fresh	Salt	Total	Sq. yds. Fresh	Sq. yds. Salt	Sq. yds Total
May	12-4	168,750	--------	168,750	126.25	------	126.25	1,366,158.75	----------	1,366,158.75
June	18-2	246,375	--------	246,375	184.33	------	184.33	1,994,591.78	----------	1,994,591.78
July	20-7	281,813	--------	281,813	210.83	------	210.83	2,281,485.11	----------	2,281,485.11
Aug.	23-2	313,875	--------	313,875	234.83	------	234.83	2,541,055.27	----------	2,541,055.27
Sept.	10-5	143,437	--------	143,437	107.31	------	107.31	1,161,234.94	----------	1,161,234.94
Oct.	19-2	259,875	--------	259,875	194.43	------	194.43	2,103,884.48	----------	2,103,884.48
Nov.	3-4	47,250	--------	47,250	35.35	------	35.35	382,524.45	----------	382,524.45
	108-2	1,461,375	--------	1,461,375	1,093.33	------	1,093.33	11,830,934.78	----------	11,830,934.78

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STREET WATERING

Single Cart No. 18 Capacity 350 Gals. Loads per day Fresh 50;
Salt None Gallons used per day Fresh 17,500, Salt None

1900	Days Worked	Totals Gallons of Water used			Mileage of Streets Watered			Area of Streets Watered		
		Fresh	Salt	Total	Fresh	Salt	Total	Sq. yds. Fresh	Sq. yds. Salt	Sq. yds Total
[illegible]	12 2	[illegible]		214,370	99 53		99 53	1,498,170.59	----------	1,498,170.59
[illegible]	15 2	[illegible]		330,870	151 00		151 00	2,354,268.07	----------	2,354,268.07
[illegible]	21 3	374,963		374,963	198 44		198 44	2,614,154.81	----------	2,614,154.81
[illegible]	[illegible] 4	411,250		411,250	185 18		185 18	2,874,041.54	----------	2,874,041.54
[illegible]	10 0	[illegible]		186,337	83 72		83 72	1,299,433.07	----------	1,299,433.07
[illegible]	15 2	[illegible]		330,870	151 00		151 00	2,354,268.07	----------	2,354,268.07
[illegible]	2 0	48,126		48,126	21 67		21 67	330,324.01	----------	330,324.01
	100	1,900,000		1,900,000	858 92		858.92	13,330,660.76	----------	13,330,660.76

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STREET WATERING.

Single Cart No. 19. Capacity 300 Gals. Loads per day—Fresh 42;
Salt None. Gallons used per day—Fresh 12,600; Salt None.

1907	Days Watered.	Totals Gallons of water used			Mileage of Streets Watered			Area of Streets Watered		
		Fresh	Salt	Total	Fresh	Salt	Total	Sq. yds. Fresh	Sq. yds. Salt	Sq. yds Total
May	12	151,200	--------	151,200	80.76	------	80.76	863,556.72	----------	863,556.72
June	18-2	229,950	--------	229,950	122.82	------	122.82	1,313,325.85	----------	1,313,325.85
July	20-7	263,025	--------	263,025	140.49	------	140.49	1,502,228.87	----------	1,502,228.87
Aug.	23-2	292,950	--------	292,950	156.47	------	156.47	1,673,141.15	----------	1,673,141.15
Sept.	10-3	130,725	--------	130,725	69.82	------	69.82	746,616.74	----------	746,616.74
Oct.	19-2	242,550	--------	242,550	129.55	------	129.55	1,385,288.90	----------	1,385,288.90
Nov.	3-4	44,100	--------	44,100	23.56	------	23.56	251,870.71	----------	251,870.71
	107-4	1,354,500	--------	1,354,500	723.47	------	723.47	7,736,028.94	----------	7,736,028.94

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STREET WATERING.

Single Cart No. 20. Capacity 300 Gals. Loads per day Fresh 45; Salt None. Gallons used per day Fresh 13,500; Salt None.

1907	Days Watered.	Totals Gallons of water used			Mileage of Streets Watered			Area of Streets Watered		
		Fresh	Salt	Total	Fresh	Salt	Total	Sq. yds. Fresh	Sq. yds. Salt	Sq. yds Total
May	7	94,500	.....	94,500	50.26	.....	50.26	626,775.24	.....	626,775.24
June	18.2	246,375	..	246,375	131.04	.....	131.04	1,634,092.59	.....	1,634,092.59
July	20.7	281,812	.....	281,812	149.88	.....	149.88	1,869,133.31	.....	1,869,133.31
Aug.	23.2	313,875	.....	313,875	166.93	.....	166.93	2,081,789.19	.....	2,081,789.19
Sept.	10.3	140,063	.....	140,063	74.49	.....	74.49	928,970.44	.....	928,970.44
Oct.	19.2	259,875		259,875	138.22	.....	138.22	1,723,031.91	.....	1,723,031.91
Nov.	3.1	47,250	.....	47,250	25.13	.....	25.13	313,387.62	.....	313,387.62
	102.1	1,383,750	.....	1,383,750	735.95	.....	735.95	9,177,780.30	.....	9,177,780.30

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STREET WATERING.

Single Cart No. 22. Capacity 300 Gals. Loads per day—Fresh 38; Salt None. Gallons used per day—Fresh 11,400; Salt None.

1907	Days Watered.	Totals Gallons of water used			Mileage of Streets Watered			Area of Streets Watered		
		Fresh	Salt	Total	Fresh	Salt	Total	Sq. yds. Fresh	Sq. yds. Salt	Sq. yds Total
May	12	136,800	--------	136,800	85.08	------	85.08	841,443.36	----------	841,443.36
June	18-2	208,050	--------	208,050	129.39	------	129.39	1,279,695.11	----------	1,279,695.11
July	20-7	237,975	--------	237,975	148.01	------	148.01	1,463,760.84	----------	1,463,760.84
Aug.	23-2	265,050	--------	265,050	164.84	------	164.84	1,630,296.51	----------	1,630,296.51
Sept.	10-3	118,275	--------	118,275	73.56	------	73.56	727,497.91	----------	727,497.91
Oct.	19-2	219,450	--------	219,450	136.48	------	136.48	1,349,815.39	----------	1,349,815.39
Nov.	2-6	31,350	--------	31,350	19.50	------	19.50	192,830.77	----------	192,830.77
	106-6	1,216,950	--------	1,216,950	756.86	------	756.86	7,485,339.89	----------	7,485,339.89

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STREET WATERING.

Single Cart No. 36, Capacity 350 Gals Loads per day--Fresh 34; Salt 2. Gallons used per day---Fresh 11,900; Salt 700.

1907	Days Watered.	Totals Gallons of water used			Mileage of Streets Watered			Area of Streets Watered		
		Fresh	Salt	Total	Fresh	Salt	Total	Sq. yds. Fresh	Sq. yds. Salt	Sq. yds Total
April	3	35,700	2,100	37,800	18.09	1.17	19.26	181,040.58	9,958.56	190,999.14
May	19	142,800	8,400	151,200	72.36	4.68	77.04	724,162.32	39,834.24	763,996.56
June	18½	220,150	12,950	233,100	111.56	7.22	118.78	1,116,416.91	61,411.12	1,177,828.03
July	21	249,900	14,700	264,600	126.63	8.19	134.82	1,267,284.06	69,709.92	1,336,993.98
Aug.	22½	267,750	15,750	283,500	135.67	8.77	144.44	1,357,804.35	74,689.20	1,432,493.55
Sept.	19	142,800	8,400	151,200	72.36	4.68	77.04	724,162.32	39,834.24	763,996.56
Oct.	20½	243,950	14,350	258,300	123.62	7.99	131.61	1,237,110.63	68,050.16	1,305,160.79
Nov.	4½	56,525	3,325	59,850	28.64	1.85	30.49	286,647.59	15,767.72	302,415.31
	111½	1,359,575	79,975	1,439,550	688.93	44.55	733.48	6,894,628.76	379,255.16	7,273,883.92

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STREET WATERING.

Single Cart No. 37. Capacity 350 Gals. Loads per day—Fresh 33; Salt 3; Gallons used per day—Fresh 11,550; Salt 1,050.

1907	Days Watered.	Totals Gallons of water used			Mileage of Streets Watered			Area of Streets Watered		
		Fresh	Salt	Total	Fresh	Salt	Total	Sq. yds. Fresh	Sq. yds. Salt	Sq. yds Total
May	12	138,600	12,600	151,200	81.84	31.20	113.04	844.992.72	408,094.20	1,253,086.92
June	19-4	225,225	20,475	245,700	132.99	50.70	183.69	1,373,113.17	663,153.08	2,036,266.25
July	21-6	251,213	22,838	274,051	148.34	56.55	204.89	1,531,549.31	739,670.73	2,271,220.04
Aug.	22-4	259,875	23,625	283,500	153.45	58.50	211.95	1,584,361.35	765,176.62	2,349,537.97
Sept.	13-6	158,812	14,437	173,249	93.77	35.75	129.52	968,220.82	467,607.94	1,435,828.76
Oct.	21	242,550	22,050	264,600	143.22	54.60	197.82	1,478,737.26	714,164.85	2,192,902.11
Nov.	4	46,200	4,200	50,400	27.28	10.40	37.68	281,664.24	136,031.40	417,695.64
	114-4	1,322,475	120,225	1,442,700	780.89	297.70	1,078.59	8,062,638.87	3,893,898.82	11,956,537.69

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SUMMARY OF STREET WATERING.

Cart	Day	Gallons of water used			Mileage of Streets Watered			Area of Streets Watered Sq. yds		
		Fresh	Salt	Total	Fresh	Salt	Total	Fresh	Salt	Total
No. 25	127.6	2,606,100	153,300	2,759,400	1,398.86	389.64	1,788.50	21,706,370.42	5,490,178.89	27,196,549.31
No. 27	131.5	3,159,000	...	3,159,000	1,604.50	...	1,604.50	23,259,201.03	----------	23,259,201.03
No. 28	100.2	1,804,500	240,600	2,045,100	443.11	49.12	492.23	8,441,571.30	1,737,665.33	10,179,236.63
No. 29	110.4	2,386,800	...	2,386,800	1,302.80	...	1,302.80	19,769,919.65	----------	19,769,919.65
No. 30	101.1	606,750	1,031,475	1,638,225	308.43	306.41	614.84	4,402,685.19	5,752,887.99	10,155,573.18
No. 31	103.2		619,500	619,500	...	724.82	724.82	----------	13,613,580.65	13,613,580.65
No. 32	127.3	3,120,688	...	3,120,688	1,278.85	...	1,278.85	19,692,720.17	----------	19,692,720.17
No. 33	66.5	799,500	...	799,500	512.34	...	512.34	11,690,564.83	----------	11,690,564.83
No. 10	107.4	1,881,250	...	1,881,250	955.08	...	955.08	11,324,042.25	----------	11,324,042.25
No. 14	107.4	1,429,750		1,429,750	693.37	...	693.37	7,403,292.85	----------	7,403,292.85
No. 16	127	1,822,451		1,822,451	782.32	...	782.32	10,714,568.36	----------	10,714,568.36
No. 17	108.2	1,461,375		1,461,375	1,093.33	...	1,093.33	11,830,934.78	----------	11,830,934.78
No. 18	109	1,907,500	...	1,907,500	858.92	...	858.92	13,330,660.76	----------	13,330,660.76
No. 19	107.4	1,354,500	...	1,354,500	723.47	...	723.47	7,736,028.94	----------	7,736,028.94
No. 20	102.4	1,383,750	...	1,383,750	735.95	...	735.95	9,177,780.30	----------	9,177,780.30
No. 22	106.6	1,216,950	...	1,216,950	756.86	...	756.86	7,485,339.89	----------	7,485,339.89
No. 36	114.2	1,359,575	79,075	1,439,550	688.93	44.55	733.48	6,804,628.76	370,255.16	7,273,883.92
No. 37	114.4	1,322,475	120,225	1,442,700	780.89	297.70	1,078.59	8,062,638.87	3,893,898.82	11,956,537.69
	1,073.2	29,622,914	2,245,075	31,867,989	14,918.61	1,812.24	16,730.85	202,983,848.35	30,867,466.84	233,851,315.19

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APPLYING DUSTOLINE.

During the early summer season our attention was called to a dust-laying preparation called Dustoline. This material was highly recommended for its dust-laying properties and that it had been applied to the roadbeds at Summit and Morristown, N. J., the previous year with excellent results. We were so impressed with its recommendations that I corresponded with Mr. H. F. Eldridge of DeBlois & Eldridge, who was visiting in New York City, and upon my request he went to the above mentioned cities, and his report of the qualities of Dustoline were just as they had been represented. This office finally decided to give the material a fair trial, and upon the 8th day of June the first application of Dustoline was made on Broadway, from Equality Park Place to the Mile Corner, and on Bellevue Avenue, from Perry Street to Victoria Avenue.

Dustoline is delivered in tank cars of a capacity of from six to eight thousand gallons, and the material cost the city about 8½ cents a gallon, f. o. b. Newport. Dustoline is applied with the regular Studebaker side sprinkler watering cart, the sprinklers being properly adjusted for the work. We used 6,163 gallons of Dustoline in making our first application on Broadway and Bellevue Avenue, covering a total area of 34,205 square yards, equal to .18 of a gallon per square yard of surface covered. We experienced very dry weather this past summer and the result was that this first application of Dustoline on Broadway and Bellevue Avenue was effective for a period of over eight weeks. The life of Dustoline depends upon weather conditions; dry weather, longer; wet weather, less; also that less material is needed with every additional application, which you will observe by examining the statistics which follow later in the report.

The result of the first application of Dustoline being so favorable, this department decided to apply this dust-laying material to other streets. We used altogether this season 21,078 gallons of Dustoline. One particular excellent result derived from the use of Dustoline and its superiority over the applying of water, is the fact that you are free from dust for twenty-four hours each day as long as it is effective, while with the use of water the dust is again blowing in a very short time after being applied.

We find that under weather conditions as experienced last summer, the cost of applying Dustoline to a 20-foot roadbed to be about $312.12 per mile for the season, and you are free from dust all the time. The cost of applying water to the same width roadbed we find to be about $158.67 per mile for the season, and the dust is only laid temporarily. The total cost of dustlaying this year is as follows: Watering, $10,630.89; applying of Dustoline, $1,878.36; making a total expense of $12,509.25.

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Two hundred dollars was donated this year toward the applying of the Dustoline to Broadway, and Mr. J. K. Sullivan paid $27.63 for applying this same material to Sayer's Wharf. The Hall & Lyon Company also paid $50.00 for applying Dustoline to Government Wharf.

I would recommend that Broadway, Bellevue Avenue, the Ocean Drive, and in fact all the principal streets of the city be treated with Dustoline next season, because I believe it to be more economical than watering, not only as a dustlayer, but as a preserver of roadbeds.

The only complaints we have received from its use is that it is detrimental to rubber and bicycle tires.

This office has carefully prepared full and complete statistics on the application of the Dustoline, including cost, etc., and takes pleasure in submitting to your honorable body the following result, viz.:—

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FIRST CAR OF DUSTOLINE.

First Application, June 8, 1907.

STREET OR AVENUE.	Square Yards.	Average Gal. per Sq. Yard.	Gallons Used.	Cost per Gallon Applied.	Total Cost.
Bellevue Ave., Perry St. to Victoria Ave	10,260	.18	1,847	.0891	$164.59
Broadway, Equality Park to One Mile Corner	23,945	.18	4,316	.0891	384.62
	34,205	.18	6,163	.0891	$549.21

Average cost per square yard, .016.

SECOND CAR OF DUSTOLINE.

First Application, June 28 and 29, 1907.

STREET OR AVENUE,	Square Yards.	Average Gal. per Sq. Yard.	Gallons Used.	Cost per Gallon Applied.	Total Cost.
Bellevue Ave., Victoria Ave. to Bailey's Beach	727	.1217	89	.0891	7.93
Chapel St., Old Beach Road south	33,104	.1217	4,029	.0891	$359.00
Redcross Ave., Old Beach Road south	2,000	.1217	244	.0891	21.74
Old Beach Road	6,965	.1217	848	.0891	75.57
Bath Road, foot of Hill to Pavilion	5,588	.1217	680	.0891	60.60
Government Wharf	1,706	.1217	208	.0891	18.54
Sayers Wharf	1,625	.1217	198	.0891	17.64
	51,715	.1217	6,296	.0891	$561.02

Average cost per square yard, .0108.

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SECOND CAR OF DUSTOLINE.

First Application, July 3 and 6, 1907.

STREET OR AVENUE.	Square Yards.	Average Gal. per Sq. Yard.	Gallons Used.	Cost per Gallon Applied.	Total Cost.
Market Square	600	.1217	73	.0891	$6.51
John St., Bellevue Ave., west	400	.1217	48	.0891	4.28
William St., Bellevue Ave., west	200	.1217	24	.0891	2.14
Catherine St., Bellevue Ave., east	366	.1217	45	.0891	4.01
Church St., Bellevue Ave., west	283	.1217	34	.0891	3.03
Prospect Hill St., Bellevue Ave., west	200	.1217	24	.0891	2.14
Redwood St., Bellevue Ave., east	300	.1217	37	.0891	3.30
Pelham St., Bellevue Ave., west	383	.1217	47	.0891	4.19
Mill St., Bellevue Ave., west	283	.1217	34	.0891	3.03
	3015	.1217	366	.0891	$32.63

Average cost per square yard, .0108.

SECOND CAR OF DUSTOLINE.

First Application, July 4 and 6, 1907.

STREET OR AVENUE.	Square Yards.	Average Gal. per Sq. Yard.	Gallons Used.	Cost per Gallon Applied.	Total Cost.
Bellevue Ave., Tarvia (Perry St. to Kay St.)	10,196	.034	350	.0891	$31.21

Average cost per square yard, .003.

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SECOND CAR OF DUSTOLINE.

Second Application, July 5, 1907.

STREET OR AVENUE.	Square Yards.	Average Gal. per Sq. Yard.	Gallons Used.	Cost per Gallon Applied.	Total Cost.
Broadway	11,138	.054	600	.0891	$53.48

Average cost per square yard, .0048

SECOND CAR OF DUSTOLINE.

Second Application, July 18, 1907.

STREET OR AVENUE.	Square Yards.	Average Gal. per Sq. Yard.	Gallons Used.	Cost per Gallon Applied.	Total Cost.
Bellevue Ave. Tarvia (Perry to Kay St.)	10,196	.032	325	.0891	$28.97

Average cost per square yard, .0028.

SECOND CAR OF DUSTOLINE.

Third Application, August 8, 1907.

STREET OR AVENUE.	Square Yards.	Average Gal. per Sq. Yard.	Gallons Used.	Cost per Gallon Applied.	Total Cost.
Bellevue Ave. Tarvia (Perry to Kay St.):	10,196	.0108	210	.0891	$18.72

Average cost per square yard, .0018.

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[illegible] CAR OF DUST-LAYS

First Application, August 13-16, [illegible], 1907

[illegible]	Square Yards	Average Cost per Sq. Yard	Gallons Used	Cost per Gallon Applied	Total Cost.
[illegible]	[illegible]	.1025	3657	.0801	$32.72
[illegible]	[illegible]	.1025	186	.0801	16.58
[illegible]	[illegible]	.1025	210	.0801	18.72
[illegible]	[illegible]	.1025	5653	.0801	50.00
[illegible]	657	.1025	58	.0801	5.17
[illegible]	690	.1025	70	.0801	6.24
[illegible]	78	.1025	18	.0801	1.61
[illegible]	1067	.1025	108	.0801	9.63
[illegible]	300	.1025	31	.0801	2.77
[illegible]	312	.1025	35	.0801	3.12
[illegible]	533	.1025	55	.0801	4.90
[illegible]	350	.1025	36	.0801	3.21
[illegible]	124	.1025	13	.0801	1.16
[illegible]	183	.1025	19	.0801	1.70
[illegible]	151	.1025	17	.0801	1.52
[illegible]	630	.1025	65	.0801	5.79
[illegible] Howard Street	560	.1025	58	.0801	5.17
[illegible] Wharf	944	.1025	97	.0801	8.64
[illegible] Howard St	610	.1025	63	.0801	5.61
Spring Wharf	380	.1025	40	.0801	3.56
West Bateman St	361	.1025	37	.0801	3.30
Walker Wharf	214	.1025	25	.0801	2.23
Coddington Wharf	711	.1025	73	.0801	6.51
Scott's Wharf	550	.1025	56	.0801	4.99

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Lopez Wharf	333	.1025	34	.0891	3.03
Bull's Wharf	240	.1025	25	.0891	2.23
Champlin's Wharf	528	.1025	54	.0891	4.81
Swinburne's Wharf	260	.1025	27	.0891	2.41
Sherman's Wharf	448	.1025	46	.0891	4.10
Wilcox Court	207	.1025	21	.0891	1.87
Swan Avenue	466	.1025	48	.0891	4.28
Dennis Avenue	466	.1025	48	.0891	4.28
Whittier Ave.	342	.1025	35	.0891	3.12
Northam Lane	333	.1025	34	.0891	3.03
Wharf south side of Police Station	566	.1025	58	.0891	5.17
	26,632	.1025	2,730	.0891	$243.27

Average cost per square yard, .0091.

THIRD CAR OF DUSTOLINE.

Second Application, August 13-16, inc., 1907.

STREET OR AVENUE.	Square Yards.	Average Gal. per Sq. Yard.	Gallons Used.	Cost per Gallon Applied.	Total Cost.
Broadway	12,807	.0357	458	.0891	$40.81
Market Square	600	.0357	22	.0891	1.97
Bath Road, foot of hill to Pavilion	5,588	.0357	200	.0891	17.82
Old Beach Road	6,965	.0357	249	.0891	22.19
Bellevue Ave., Perry St. to Bailey's Beach	43,364	.0357	1,549	.0891	138.02
Sayers Wharf	1,625	.0357	59	.0891	5.26
Government Wharf	1,706	.0357	61	.0891	5.44
	72,655	.0357	2,598	.0891	$231.51

Average cost per square yard, .0031.

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THIRD CAR OF DUSTOLINE.

Third Application, August 13-16, inc., 1907.

STREET OR AVENUE.	Square Yards.	Average Gal. per Sq. Yard.	Gallons Used.	Cost per Gallon Applied.	Total Cost.
Broadway	11,138	.075	840	.0801	$74.86

Average cost per square yard, .0067.

THIRD CAR OF DUSTOLINE.

Third Application, August 30, 1907.

STREET OR AVENUE.	Square Yards.	Average Gal. per Sq. Yard.	Gallons Used.	Cost per Gallon Applied.	Total Cost.
Bellevue Ave., Perry to Ruggles Ave.	11,504	.0263	302	.0801	$26.01
Bellevue Ave., Ruggles to Wheatland Ave., 10 ft. wide	3,334	.0263	88	.0801	7.85
	14,838	.0263	390	.0801	$34.76

Average cost per square yard, .0023.

THIRD CAR OF DUSTOLINE.

Fourth Application, August 30, 1907.

STREET OR AVENUE.	Square Yards.	Average Gal. per Sq. Yard.	Gallons Used.	Cost per Gallon Applied.	Total Cost.
Bellevue Ave. Tarvia (Kay St. to Perry St.)	10,196	.0108	210	.0801	$18.72

Average cost per square yard, .0018.

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APPLYING WESTRUMITE.

Another dust-laying preparation under the name of "Westrumite" was recommended to this department and a few barrels of the mixture were given for a trial test by the George A. Weaver Company.

This material is mixed with water and then applied with a watering cart, but the result from the application was not very satisfactory.

QUARRY AND CRUSHER.

The work of quarrying and crushing stone commenced on March 25, and continued until November 18, when the quarry was closed down for the season. The amount of stone quarried and crushed is as follows: Ledge stone, 22 tons; chip stone, 240 tons; crushed stone, 9,997 tons; making a total of 10,259 tons.

Upon my recommendation, you granted me permission to install a steam drill at the quarry at an estimated expense of five hundred ($500.00) dollars, and I take pleasure in reporting a very favorable result from its use. The total cost for installing the steam drill was two hundred and ninety-five dollars and ninety-five cents ($295.95), which was two hundred and four dollars and five cents ($204.05) less than the estimate. The use of this steam drill dispensed with the employing of several men. The cost of crushed stone this year was $.973 per ton; last year the cost was $1.184 per ton, making a very favorable reduction in the cost this year of $.211 per ton, or a total reduction in the total production of 10,000 tons crushed of $2,110.00, which I consider a very creditable showing for the men who were employed at the quarry. With the use of the steam drill, the quarry will continue a producer for the next two years.

STEAM ROAD ROLLERS.

Work on the streets commenced on the 15th of April and continued until the 16th of November. Steam roller No. 3 was retired on the 22d of August owing to the fact that the appropriation of this department did not warrant the continuance of its use. Steam rollers Nos. 1 and 2 were housed for the winter on the 16th of November. The rollers were then taken apart, thoroughly cleaned and oiled, ready to be put together for next season's work.

I would recommend that roller No. 2 receive a new set of front wheels.

THAMES STREET PAVEMENT.

Thames Street is in a deplorable condition and a disgrace to the city. This department has filled the holes of this pavement with crushed stone and trap rock until even this temporary repair is not effective. I would recommend that all overhead wires be placed underground and that all sewer, water and gas connec-

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tions be thoroughly tested and renewed where necessary before a new pavement is laid in this street. I would suggest that Thames Street receive some kind of a noiseless pavement and that prompt action be taken in laying the same.

BROADWAY AND SPRING STREET PAVEMENT.

I desire to call the attention of your honorable body to the bitulithic pavement of Broadway and Spring Street.

Although the contract of Warren Brothers Company for making certain repairs to this pavement does not expire until next summer, I would recommend that owing to the present condition of these roadbeds, that they receive a new wearing surface, the approximate cost of which would be about $6,000, of which sum $1,000 should be assumed by the street railways, making a net expense to the city of $5,000.

The application of this wearing surface would greatly preserve the life of these pavements.

TARVIA.

Tarvia, which is a coal tar preparation, was highly recommended to this office for being a preventor of dust and mud on macadam roads and improve their wearing qualities. It unites the particles on the surface into a cohesive mass, and forms a waterproof surface on the roadbed similar to asphalt, and at a very nominal expense.

This department, after giving the matter careful consideration, decided to give the material a trial and Bellevue Avenue, from Kay Street to Perry Street, was tarviated. This roadbed was treated under the direction of one of the representatives of the National Coal Tar Company, and that part of the avenue from Kay to Bowery Strets was not, in our opinion, a success, because the material was applied too abundantly and to the old roadbed, which should not be done. That part of the avenue between Bowery and Perry Streets was a much better piece of work, because the material was applied to a new re-macadamized surface, although even this part of the avenue was rolled too hard before applying the Tarvia.

Having some of the material left over from Bellevue Avenue, we decided to treat Bull Street and Old Beach Road Hill. These two pieces of roadbed were treated in a manner which we thought was best and with excellent results, as the work proved to be a complete success.

Old Beach Road Hill, which has a very steep grade, has been of considerable expense to the city from bad washouts after heavy rainfalls, but since applying the Tarvia preparation, the roadbed has withstood the test exceedingly well, there being no more washouts.

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I highly recommend Tarvia for steep grades and the quarters of macadam roadbeds.

Tarvia as a dust preventor is a failure, because we had to apply Dustoline to Bellevue Avenue to keep the dust down, but it is without doubt an excellent article as a mud preventer and a preserver of macadam roadbeds. The following statistics have been prepared by this office, which give full information on the subject as to cost, etc.:—

TARVIA.

Street.	Gals. Tarvia	Trap Rock Tons	Trap Rock Lbs.	Length	S.Yds.	Avg. Cost S.Yd.	Total Cost
Bellevue Ave., Kay to Perry St.	4,576	214	213	3,256	10,196	.116	$1,187.38
Bull St.	1,106	44	455	1,133	2,140	.123	262.98
Old Beach Rd. Hill	352	16	1,135	400	1,022	.099	101.17
	6,034	274	1,803	4,889	13,358	.116	$1,551.53

BATEMAN AVENUE.

In looking over the serious and dangerous condition of Bateman Avenue, and knowing that the city was liable for any damage that might occur, I decided to put this avenue in a fairly passable condition with as reasonable expense as possible, so that the same would be safe for public travel. I expended $455.90 in putting the avenue in repair, and today it is in excellent condition, but the hill on the east end near Coggeshall Avenue, should be macadamized, the expense of which would be about $1,200.00.

STREETS RE-MACADAMIZED.

The following streets have been re-macadamized this year, and full statistics of same will be found in another part of this report: Broadway, from Equality Park Place to Bliss Road; Bellevue Avenue, from Bowery to Perrfy Street; Malbone Road, from Broadway to Bedlow Avenue; Bull Street; Lake View Avenue, from Bellevue Avenue to Ledge Road; Mary Street, from Thames to Clarke Street; Anthony Street; Water Works Road; Lincoln Street; Friendship Place; High Street, from Mary to Church Street; Channing Street; Dixon Street, from Bellevue Avenue to Spring Street; Berkeley Avenue; Catherine Street, from Rhode Island Avenue to Bellevue Avenue and John Street.

STREETS RE-SURFACED AND ROLLED.

The following streets have been re-surfaced and rolled with a steam road roller, and full statistics of same will be found in another part of this report: Kay Street, from Touro Street to Powel Avenue; Pelham Street, from Spring Street to Bellevue Avenue; Bath Road, from Bellevue Avenue to the Beach; Ruggles Avenue, from "Kernochan's" to Ochre Point Avenue, and Congdon Avenue.

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STREETS PATCHED AND ROLLED.

The following streets have been patched with crushed stone where needed and rolled with a steam road roller: Bellevue Avenue, from Perry Street, south; Ocean Avenue, Jeffery Road, Ridge Road, Harrison Avenue, Washington, Third, Second, Battery, Pine, Cherry, Chestnut, Walnut, Willow, Poplar and Elm Streets, Rhode Island Avenue, from Old Beach Road to Bath Road; Morton Avenue, Carroll Avenue, Atlantic Street, and Eastnor Road.

STREETS CLEANED UP, REPAIRED AND TURNPIKED.

The following streets have been cleaned up, repaired and turnpiked, and made fairly passable for public travel: Malbone Road, from Bedlow Avenue, north, 700 feet; Kay Street Boulevard, about 350 feet; Bancroft Avenue, 520 feet; Hunter Avenue, from Kay to Champlin Streets, 930 feet; Prairie Avenue, from Catherine to Champlin Streets, 350 feet.

OCEAN AVENUE, NEAR "GRAVES POINT."

There exists on the south side of Ocean Avenue, at a point near "Graves Point," a matter which should receive immediate attention next spring. The action of the water has eaten into the roadbed to such an extent that unless a seawall is constructed at this point within a short time, the roadbed will be very narrow and dangerous. In fact, the temporary fence which I had built to avoid any accident which might happen at any time, has had to be rebuilt several times, caused by the action of the water on the roadbed. I have interviewed Mr. Herbert L. Dyer, the agent for the owners of the land on both sides of the road, and he is taking the matter up with them, but Mr. Dyer feels that the city should meet the owners at least halfway as to the expense of building a seawall, because they care nothing about the land on the water front of the road and do not care to be burdened with the whole expense of building a wall to protect a public highway which belongs to the city.

BRIGGS WHARF WALL.

After a more thorough examination of the east end of the retaining wall of Briggs Wharf, I found that I could repair the same at a much lower figure than was anticipated. This wall was repaired in good shape for the sum of $467.85.

COLLIN'S BEACH WATERING STATION.

A spare tank at City Wharf was taken to and set up at Collin's Beach by the men employed by this department. A new pumphouse was built under contract by Mr. Thomas H. Reagan, for the sum of $148.50.

The total cost of putting this watering station in operation was $246.04.

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BAILEY'S BEACH WATERING STATION.

It is with regret that I am obliged to report that the salt water tank at Bailey's Beach collapsed on August 19. It was 12 feet high and 14 feet in diameter.

It was fortunate that the accident did not happen until late in the season, because the watering of Ocean Avenue and other streets in this locality with salt water is very essential and beneficial to the roadbeds. Salt water, in my opinion, is an excellent dust-layer and preserver of macadam roads. I would suggest that a new tank be constructed next spring upon the same or nearby location.

EASTON'S BEACH.

During the summer season a man is constantly employed cleaning up the roadbed, mowing the grass plat, etc., at Easton's Beach.

The sea wall, which was in very bad condition, has been thoroughly repaired. The iron fence on top of wall has also been repaired and painted.

TRAP ROCK.

In accordance with a resolution of the Board of Aldermen, passed on February 21, this department purchased one thousand cubic yards of trap rock from the Clinton Point Stone Company of New York for the sum of $1.90 per cubic yard delivered along the side of the City Wharf. The discharging of the stone cost 27 cents per cubic yard.

Considerable of this trap rock was used for filling the holes in Thames Street, and a full account of which and the remainder of the same, where used, will be found in another part of this report.

I would recommend that another cargo of this trap rock be purchased next year, because I consider this stone an excellent material for the top dressing of macadam roadbeds.

REMOVAL AND TRIMMING OF TREES.

During the year this department has removed the following trees which were considered in a dangerous condition and a menace to public travel, viz.: Cranston Avenue, adjoining the property of Patrick J. Murphy, Esq.; Friendship Street, at the Newport Hospital; and at the corner of Washington and Elm Streets.

A number of overhanging trees and shrubs have also been trimmed from time to time during the season.

OLD COLONY STREET AND NEWPORT & PROVIDENCE RAILWAY COMPANIES.

Both of these street railway companies have removed their rails from across Thames Street.

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At Franklin Street, the crossing has been relaid and the grade at the foot of the street changed so that the surface water from the rails is directed into the catchbasins, instead of flowing across Thames Street into Commercial Wharf.

At Washington Square and Thames Street a new crossing has been laid and the grade of the roadbed changed to the catchbasins.

ANN AND ELM STREET PIERS.

These piers have been put in good condition, by direction of the Board of Aldermen, for the sum of $319.65.

CLEANING AND REPAIRING FOUNTAINS.

The various fountains located throughout the city have been cleaned and put in repair, by direction of the Board of Aldermen, at an expense of $101.23.

CHERRY AND CHESTNUT STREETS SEA WALLS.

These sea walls, especially the Cherry Street sea wall, were in a very bad condition, and they were both put in good repair, the former at an expense of $71.79 and the latter for $10.65.

This work, as well as the piers and fountains, was not considered in our appropriation, because it is a new departure for this department to perform this work, and if this department in the future is to assume the care of piers, fountains and sea walls, we should receive an additional appropriation for the same.

TOURO STREET.

During the year repairs have been made from time to time to the roadbed of Touro Street, also the gutters and crossings have been repaired and relaid. The expense of which amounted to $542.65, and was paid from the Touro Street Fund.

I would suggest that the sidewalk on the north side of this street in front of the "Mall" be replaced with granolithic. This sidewalk in its present condition is dangerous to public travel.

KING PARK, FILLING AND REPAIRING PIER.

This department, at the request of the Park Commission, has filled in the head of and repaired the pier at King Park, at the expense of $346.09, and which amount was reimbursed to this department by the Park Commission.

VAN ZANDT AVENUE SEWER EXTENSION.

The outlet of the Van Zandt Avenue sewer has been extended for a distance of 126 feet to beyond low water mark.

This work was done upon complaint of the Board of Health, as they claimed the same a nuisance and menace to the public health. The expense of which amounted to $76.53.

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VAN ZANDT AVENUE BRIDGE.

Van Zandt Avenue Bridge has received some repairs this past season, the sum of $149.14 having been expended upon the work.

I recommend that the iron work underneath this bridge be thoroughly scraped and repainted.

KING PARK AND HALIDON AVENUE SEWERS.

The outlets of these sewers were depositing the sewerage matter too close to the shore line, causing a nuisance and a menace to public health. The Board of Aldermen, acting as a Board of Health, authorized and directed this department to extend both the King Park and Halidon Avenue sewers in accordance with plans and specifications prepared by the City Engineer. This department communicated with the U. S. Cast Iron Pipe & Foundry Company of New York and the Fuller Iron Works of Providence, R. I., for prices on the pipe. The former replied with regrets that they were so busy that they were not in position to offer any prices; the latter quoted price of 3⅞ cents per pound for the 18-inch heavy iron flanged pipe and 2½ cents per pound for the 10-inch cast iron bell hub pipe, f. o. b. Newport, and which prices were accepted.

The contract for laying of the sewers was awarded by the Board of Aldermen to Mr. J. K. Sullivan for the sum of $1,835.00. The work to be performed under the direction and satisfaction of the City Engineer.

A catch basin has been built at the pier end of the sewer to intercept any foreign matter which might stop up the sewer outlet.

The Representative Council, at a special meeting on December 13, passed a resolution appropriating the sum of $5,900.00 for the building of said sewers, and the following is a detailed statement of the expenditures, viz.:

Receipts.

Appropriation	$5,900.00

Disbursements.

1.	Fuller Iron Company, pipe	$3,979.26
2.	J. K. Sullivan, contract building sewer	1,835.00
3.	Alexander N. Barker & Co., Portland cement, etc	31.97
4.	J. D. Johnston, 2 gaskets	4.50
5.	George H. Chase, blue prints of plan	.35
	Balance unexpended	48.92
		$5,900.00

MAIN SEWER OUTLET.

The pipe ordered last year for the repairs of the main sewer outlet arrived late in the month of February. The contractors, the T. A. Scott Company of New London, Conn., who were awarded the contract for laying of the pipe, were duly notified. They

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commenced the work in March and completed the same during the month of June, and the main sewer outlet is now in good condition and laid to a depth that cannot be interfered with by any of the deep water tugs. This work was completed at an expense of $3,337.58, which is $3,162.42 less than the estimate.

HARBOR DREDGING.

Dredging the harbor within the harbor line in the rear of the Newport Yacht Club and in front of Long Wharf was completed and the dredging was extended far more than was estimated. A channel has been dug south of the Newport Yacht Club to connect with the channel along the docks, also the lower part of the harbor from Lee's Wharf south, and some hard digging in front of the wharves occupied by Alexander N. Barker & Co. and Perry Brothers.

The dredging work was performed under contract by the J. S. Packard Dredging Co. of Providence, R. I., for the sum of 38 cents per cubic yard, also 30 hours labor on hard digging at $20.00 per hour. A total of 10,539 cubic yards of soft material and 436 cubic yards of hard material was dredged and dumped at sea. An inspector was employed to oversee the work and report to this office the amount of material dredged. The total cost of this work was $4,681.07, which is $318.93 less than the estimate.

PELHAM STREET SEWER.

Regarding Pelham Street sewer, I would say that it was found more feasible and economical to relay the sewer in the same location as the old sewer. A catch basin with eye was laid at Corne Street to intercept the storm water and thereby prevent the bad washouts on the north quarter of the roadbed, which in former years had to be repaired after every heavy rainfall. I would also add that we obtained about ten thousand brick from the old sewer, enough to build the catch basin above referred to, and to build quite a number of other catch basins and repair work on various jobs during the year. This was a net saving to the department of over one hundred dollars, because new brick would have cost the city about $12.00 per thousand.

The total cost of the construction of the Pelham Street sewer was $818.45, which is $981.55 less than the estimate.

CLINTON STREET SEWER.

Clinton Street sewer was built under very favorable circumstances, owing to the fact that we experienced good dry weather. This sewer was extended about three hundred feet more than was originally intended so as to accommodate all the property owners on the street.

This sewer was constructed for the sum of $551.12, which is $648.88 less than the estimate.

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EASTON'S BEACH BRIDGE.

I would recommend that your honorable body confer with the Town of Middletown in relation to the widening and the making of necessary repairs to the Easton's Beach Bridge.

Prompt action should be taken in the matter, as the bridge is now in a precarious condition and a menace to public travel.

COGGESHALL AVENUE IMPROVEMENT.

I would respectfully call your attention to the continuance of the improvement of Coggeshall Avenue, from Ruggles Avenue south. I would recommend that the city expend the sum of say $5,000.00 each year until the improvement of this avenue is complete.

STATEMENT OF STONE QUARRIED AND CRUSHED DURING THE YEAR 1907.

	Chip Tons.	Ledge Tons.	Crushed Tons.
General repairs to streets			1,100
General repairs to sidewalks			227
Thames Street			90
Broadway			527
Washington Square			4
Bellevue Avenue			401
Ocean Avenue			74
Ridge Road			31
Harrison Avenue			112
Bateman Avenue		2	170
Kay Street			76
Kay Street Boulevard			30
Pelham Street			98
Bath Road			406
Ruggles Avenue			54
John Street			223
Malbone Road			594
Bull Street			217
Lake View Avenue			129
Mary Street			42
Anthony Street			63
Water Works Road			923
Lincoln Street			91
Friendship Place			73
High Street			69
Channing Street			345
Dixon Street			100
Berkeley Avenue			982
Catherine Street			505
Touro Street			19
Charged to abutters			25
Burial Grounds			5
King Park Pier	240		
King Park Catch Basin		17	
Repairing sewers and culverts		3	

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	Chip Tons.	Ledge Tons.	Crushed Tons.
Street Piece			1
Crusher on hand December 31, 1907			2,315
Old Yard on hand December 31, 1907			166
	240	22	16,250
Old Yard on hand December 31, 1906			292
From Quarry during the year 1907	241	22	7,679
On hand at Quarry December 31, 1907			2,315
	241	22	16,250

STATEMENT OF TRAP ROCK

	Tons.
[illegible] Streets [illegible]	[illegible]
Pleasant Street	[illegible]
Broadway	[illegible]
Washington Square	[illegible]
[illegible] Avenue	[illegible]
[illegible] Street	[illegible]
[illegible] Street Boulevard	[illegible]
[illegible] Street	[illegible]
[illegible] Street	[illegible]
[illegible] Avenue	[illegible]
[illegible] Street	[illegible]
[illegible] Street	[illegible]
[illegible] Road Dam	[illegible]
[illegible] Street	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]
Total [illegible]	[illegible]

STATEMENT OF DIAMOND HILL STONE

	Tons.
[illegible] Square	[illegible]
[illegible]	[illegible]
	[illegible]

	Tons.
[illegible]	[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

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	Previously reported.	1907	Total.
Water closets	3,202	71	3,273
Laundry tubs	1,535	43	1,578
Sinks	4,117	52	4,169
Bath tubs	1,510	34	1,544
Cellar drains	1,456	24	1,480
Bowls	300	24	324
Land drains	105	1	106
Roofs	647	28	675
Furnace pits	4	..	4
Stable fixtures	38	9	47
Families accommodated	3,119	44	3,163
Persons accommodated	5,144	132	5,276

New sewers have been laid in the following streets:—

Pelham Street (Spring St. east)	1,023 ft.	10-inch vit. pipe
Clinton Street (extended)	870 ft.	10-inch vit. pipe
Van Zandt Avenue (extended)	126 ft.	8-inch cast iron pipe
	2,019 ft.	

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PERMITS FOR STREET AND SIDEWALK OPENINGS, 1911

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
Laying gas service			2	10	4	4	3	5	3	3	2	1	37
Laying gas mains	1			2		1				1			5
Repairing gas mains	1			1	1	3							6
Repairing gas service								1				1	2
Laying gas holder					1		1						2
Electric conduits				1	2	1		1	1		1		7
Electric light repairs				1		1							2
Laying electric signals									2				2
Telephone conduits	1				3					1	1		6
Laying street railway tracks				1									1
Repairing street railway tracks						1	2						3
Repairing railroad crossings					1								1
Laying drains	1	2	2	3	2	4		1	4	2	1	1	23
Laying sewers			1	1	3		2	1		1	2	1	12
Laying water mains											1		1
Laying fire alarm cables						1							1
Laying poles and repairing gutters									1				1
Laying curbing			1										1
Laying granolithic sidewalks				2		1		1					4
Repairing sidewalks								1					1
Tearing down buildings	1												1
Use of sidewalk for building	1	1	1	1	1								5
Moving shed					1								1
Moving trees	1		2										3
Granolithic driveway											1		1
Replace curb in driveway				1									1
Laying driveways					1								1
	7	3	9	24	20	17	6	11	11	8	9	4	131

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STREETS RE-MACADAMIZED.

Street or Avenue.	Tons Trap Rock	Tons Crushed Stone	Days Steam Roller	Avg. Depth Work	Length Feet	Width Feet	Sq. Yds.	Cost Per Sq. Yd.	Total Cost
Broadway, Equality Park to Bliss	3	453	37	3 in.	1,825	27	5,475	.199	$1,079.32
Bellevue Ave., Bowery to Perry	34	194	6	4 in.	690	29	2,223	.239	532.46
Malbone Road, Broadway to Bedlow		594	48	6 in.	2,650	19	5,594	.252	1,407.96
Bull St.	50	217	16	4 in.	1,133	17	2,140	.292	626.88
Lave View Ave., Bellevue to Ledge		129	8	3 in.	462	19	899	.313	281.45
Mary St., Clarke to Thames	15	42	6	3 in.	598	12	797	.205	163.66
Anthony St.		63	7	4 in.	354	15	590	.295	173.91
Water Works Road		923	47	6 in.	2,575	18	5,150	.367	1,892.29
Lincoln Street		91	8	4 in.	409	15	682	.352	239.74
Friendship Place		73	9	5 in.	190	23	486	.427	208.47
High St., Mary to Church		69	7	3 in.	339	16	603	.303	182.88
Channing St.		345	27	6 in.	884	22	2,161	.381	823.01
Dixon St., Bellevue to Spring		100	6	3 in.	889	16	1,580	.135	214.39
Berkeley Ave.		982	48	6 in.	1,744	29	5,620	.319	1,993.87
Catherine St., R. I. Ave. to Bellevue		505	29	4 in.	1,923	19	4,060	.265	1,078.09
John St.	40	223	20	4 in.	1,245	14	1,937	.339	657.40
	142	5,003	329		17,910		39,997	.288	$11,555.78

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STREETS RE-SURFACED AND ROLLED.

Street or Avenue	Tons Trap Rock	Tons Crushed Stone	Days Steam Roller	Length Feet	Width Feet	Sq. Yds.	Cost Per Sq. Yd.	Total Cost
Kay St., Touro to Powel	99	76	18	2,850	23	7,283	.072	$524.04
Pelham St., Spring to Bellevue	58	98	14	1,150	19	2,447	.177	433.33
Bath Road Bellevue to "Beach"		406	28	3,525	19	7,442	.124	924.33
Ruggles Ave., "Kernochans" to Ochre Point Ave.		54	6	1,050	25	2,017	.051	148.35
Congdon Ave.	17		5	724	17	1,367	.069	95.49
	174	634	71	9,308		21,456	.091	$2,125.54

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CROSSINGS RE-SET.

Upon observation, I found that all over the city the crossings needed repairs and I placed a gang of men at work in each ward, and the following list will give you some idea of the amount of work that has been done in this respect, viz.:—

Washington St. at Elm St., West Side.....	57 ft.	8 in. x 14 in.
Washington St. at Elm St., East Side.....	45 ft.	8 in. x 14 in.
Washington St. at Willow St.	45 ft.	x 14 in.
Washington St. at Willow St., West Side...	59 ft.	8 in. x 14 in.
Washington St. at Willow St., East Side....	43 ft.	8 in. x 14 in.
Washington St. at Poplar St., East Side....	47 ft.	8 in. x 14 in.
Washington St. at Poplar St., West Side...	53 ft.	8 in. x 14 in.
Washington St. at Walnut St.	22 ft.	5 in. x 18 in.
Washington St. at Walnut St., West Side...	63 ft.	8 in. x 14 in.
Washington St. at Walnut St., East Side....	39 ft.	8 in. x 14 in.
Washington St. at Chestnut St.	22 ft.	4 in. x 16 in.
Washington St. at Chestnut St., East Side...	39 ft.	8 in. x 14 in.
Washington St. at Chestnut St., West Side..	45 ft.	8 in. x 14 in.
Washington St. at Cherry St., East Side.....	43 ft.	8 in. x 14 in.
Washington St. at Cherry St., West Side....	43 ft.	8 in. x 18 in.
Second St. at Chestnut St., West Side.....	39 ft.	6 in. x 14 in.
Second St. at Chestnut St., East Side.....	39 ft.	6 in. x 14 in.
Second St. at Walnut St.	19 ft.	4 in. x 24 in.
Second St. at Walnut St., East Side.....	39 ft.	6 in. x 14 in.
Second St. at Walnut St., West Side.....	39 ft.	6 in. x 14 in.
Second St. at Willow St., East Side.....	45 ft.	6 in. x 14 in.
Second St. at Willow St., West Side.....	41 ft.	6 in. x 14 in.
Second St. at Poplar St., West Side.....	43 ft.	8 in. x 19 in.
Second St. at Poplar St., East Side.....	47 ft.	8 in. x 14 in.
Second St. at Poplar St.	17 ft.	7 in. x 14 in.
Second St. at Elm St.	22 ft.	5 in. x 24 in.
Second St. at Elm St., East Side.....	45 ft.	8 in. x 14 in.
Second St. at Elm St., West Side.....	43 ft.	8 in. x 14 in.
Second St. at Bridge St., North Side.....	41 ft.	2 in. x 14 in.
Second St. at Bridge St., South Side.....	41 ft.	2 in. x 14 in.
Bridge St. at Second St.	19 ft.	5 in. x 24 in.
Bridge St. at Third St.	39 ft.	2 in. x 14 in.
Third St. at Elm St.	20 ft.	5 in. x 24 in.
Third St. at Elm St., East Side.....	45 ft.	8 in. x 14 in.
Third St. at Elm St., West Side.....	41 ft.	8 in. x 14 in.
Third St. at Poplar St., West Side.....	45 ft.	8 in. x 14 in.
Third St. at Poplar St., East Side.....	47 ft.	8 in. x 14 in.
Third st. at Willow St., East Side	37 ft.	8 in. x 14 in.
Third St. at Willow St.	18 ft.	5 in. x 24 in.
Thames St. at Mary St.....	29 ft.	4 in. x 24 in.
Mary St. at Clark St., East Side.....	29 ft.	2 in. x 18 in.
Mary St. at Clark St., West Side.....	28 ft.	10 in. x 24 in.
Mary St. at Y. M. C. A.....	21 ft.	2 in. x 14 in.
Clark St. at Mary St.....	62 ft.	6 in. x 14 in.
Mary St. at Spring St., East Side.....	24 ft.	10 in. x 14 in.
Mary St. at Spring St., West Side.....	37 ft.	2 in. x 16 in.
Mary St. at Division St., West Side.....	25 ft.	x 18 in.
Mary St. at Division St., East Side.....	29 ft.	4 in. x 14 in.
Mary St. at School St., North Side.....	45 ft.	8 in. x 14 in.
Mary St. at School St., East Side.....	29 ft.	8 in. x 14 in.
Mary St at School St., West Side.....	27 ft.	4 in. x 14 in.
Mary S[illegible] at High St., West Side.....	33 ft.	4 in. x 14 in.

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Mary St. at High St., North Side	43 ft.	4 in.	x	14 in.
Mt. Vernon St. at Barney St., East Side	35 ft.	6 in.	x	14 in.
Mt. Vernon St. at Barney St., West Side	41 ft.	6 in.	x	14 in.
Mill St. at Division St	45 ft.	8 in.	x	14 in.
Church St. at Division St., North Side	41 ft.	8 in.	x	14 in.
Church St. at Division St., South Side	35 ft.	8 in.	x	14 in.
Mary St. at Division St., North Side	21 ft.	6 in.	x	14 in.
Church St. at High St.	31 ft.	4 in.	x	14 in.
Church St. at School St.	43 ft.	8 in.	x	18 in.
Spring St. at Church St., East Side	34 ft.	10 in.	x	14 in.
Spring St. at Church St., West Side	32 ft.	10 in.	x	14 in.
Church St. at Trinity Church	35 ft.		x	16 in.
Mill St. at Townsend Court	31 ft.		x	14 in.
Mill St. at "T. J. Murphy's"	21 ft.		x	14 in.
Spring St. at Mill St., East Side	39 ft.	2 in.	x	16 in.
Spring St. at Mill St., West Side	37 ft.	2 in.	x	16 in.
Bellevue Ave. at Downing St.	41 ft.		x	18 in.
Bellevue Ave. at DeBlois St.	25 ft.	8 in.	x	24 in.
Bellevue Ave. at Bath Road	73 ft.	6 in.	x	24 in.
Bellevue Ave. at Bath Road	77 ft.		x	24 in.
Spring St. at Prospect Hill St	23 ft.	2 in.	x	16 in.
Spring St. at Green St.	29 ft.	2 in.	x	16 in.
Spring St. at Pelham St., East Side	45 ft.	2 in.	x	18 in.
Spring St. at Pelham St., West Side	41 ft.	2 in.	x	18 in.
Spring St. at Brewer St.	33 ft.	2 in.	x	16 in.
Spring St. at Allen's Court	37 ft.	2 in.	x	16 in.
Catherine St. at Rhode Island Ave	48 ft.		x	24 in.
Thames St. at Frasch's Court	23 ft.	4 in.	x	24 in.
Thames St. at Frank St.	29 ft.	4 in.	x	18 in.
Thames St. at Cotton's Court	35 ft.	4 in.	x	18 in.
Thames St. at Market Square	37 ft.	4 in.	x	16 in.
Thames St. at Pelham St.	45 ft.	4 in.	x	18 in.
Thames St. at Franklin St.	49 ft.	8 in.	x	18 in.
Thames St. at Prospect Hill St	23 ft.	4 in.	x	18 in.
Thames St. at Commercial Wharf	45 ft.	4 in.	x	16 in.
Thames St. at Green St.	33 ft.	4 in.	x	18 in.
Thames St. at "Jones"	23 ft.	4 in.	x	24 in.
Bellevue Ave. at Sheppard Ave.	39 ft.	6 in.	x	16 in.
Bellevue Ave. at Bancroft Ave.	59 ft.	4 in.	x	16 in.
Bellevue Ave. at John St.	47 ft.	10 in.	x	18 in.
Bellevue Ave. at Pelham St.	83 ft.	4 in.	x	18 in.
Bellevue Ave. at Mill St.	73 ft.		x	18 in.
Bellevue Ave. at Old Beach Road	81 ft.	10 in.	x	24 in.
Bellevue Ave. at Redwood St.	37 ft.	10 in.	x	24 in.
Bellevue Ave. at Church St.	65 ft.		x	18 in.
Bellevue Ave. at Zion Place	36 ft.	9 in.	x	14 in.
Washington St. at Marsh St.	61 ft.	4 in.	x	16 in.
Washington St. at Briggs Wharf	51 ft.	8 in.	x	16 in.
Bridge St. at "Thorndike's"	30 ft.		x	16 in.
West Broadway at Stewart St.	31 ft.	6 in.	x	16 in.
West Broadway at Spruce St.	35 ft.	6 in.	x	18 in.
Long Wharf at Rosemenere Place	45 ft.	4 in.	x	18 in.
Broadway at Calvert St.	59 ft.	10 in.	x	16 in.
Broadway at Newport Ave.	41 ft.	4 in.	x	18 in.
Broadway at Bay View Ave.	41 ft.	4 in.	x	18 in.
Broadway at Powel Ave.	79 ft.		x	18 in.
Broadway at Powel Ave.	57 ft.	8 in.	x	18 in.

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Broadway at Caleb Earl St.	53 ft.	9 in.	x	14 in.
West Marlborough St. at Fire Department Headuarters	181 ft.	8 in.	x	24 in.
Catherine St. at Tompkins Court	33 ft.	6 in.	x	16 in.
Catherine St. at Ayrault St.	61 ft.	10 in.	x	18 in.
Catherine St. at Elizabeth St.	31 ft.	4 in.	x	12 in.
Touro St. at Clark St.	35 ft.	6 in.	x	18 in.
Touro St. at Touro Court	35 ft.	2 in.	x	16 in.
Catherine St. at Fir St.	55 ft.	2 in.	x	24 in.
Touro St. at Perry Monument	33 ft.		x	16 in.
Thames St. at Washington Square	161 ft.	8 in.	x	24 in.
Levin St. at Thomas St.	33 ft.	2 in.	x	16 in.
John St. at Thomas St.	33 ft.	2 in.	x	16 in.
John St. at Martin St.	31 ft.	2 in.	x	16 in.
Old Beach Road at Fir St.	29 ft.	2 in.	x	14 in.
Old Beach Road at Greenough Place	28 ft.	6 in.	x	18 in.
Kay St. at Brinley St.	77 ft.	4 in.	x	14 in.
Bull St. at Central St.	45 ft.	4 in.	x	16 in.
Bull St. at Broadway	43 ft.	4 in.	x	18 in.
Bull St. at Mt. Vernon St., North Side	43 ft.	2 in.	x	16 in.
Bull St. at Mt. Vernon St., South Side	43 ft.	2 in.	x	16 in.
Mill St. at Touro Park West	22 ft.	6 in.	x	24 in.
Pope St. at Anthony St.	33 ft.	2 in.	x	16 in.
Kay St. at Bull St.	43 ft.	6 in.	x	18 in.
Thames St. at Cannon St.	31 ft.	4 in.	x	18 in.
Thames St. at Perry Mill Wharf	37 ft.	4 in.	x	18 in.
Thames St. at Perry Mill Court	33 ft.	4 in.	x	16 in.
Thames St. at Fair St.	21 ft.	4 in.	x	18 in.
Thames St. at Ann St.	31 ft.	4 in.	x	18 in.
Thames St. at Bailey's Court	33 ft.	4 in.	x	16 in.
Thames St. at Lyons Place	39 ft.	4 in.	x	16 in.
Thames St. at School Court	15 ft.	8 in.	x	6 in.
Thames St. at Brewer St.	35 ft.	4 in.	x	18 in.
Thames St. at Dennison St.	29 ft.	4 in.	x	18 in.
Thames St. at Young St.	39 ft.	4 in.	x	18 in.
Thames St. at West Howard St.	33 ft.	4 in.	x	16 in.
Thames St. at Brown & Howard's Wharf	41 ft.	4 in.	x	16 in.
Thames St. at Lee Wharf	41 ft.	4 in.	x	16 in.
Thames St. at Howard St.	39 ft.	4 in.	x	18 in.
Thames St. at Milburn Court	35 ft.	4 in.	x	16 in.
Thames St. at Spring Wharf	53 ft.	4 in.	x	16 in.
Thames St. at Pope St.	25 ft.	4 in.	x	16 in.
Thames St. at Extension St.	37 ft.	4 in.	x	16 in.
Thames St. at West Extension St.	51 ft.	4 in.	x	16 in.
Thames St. at South Baptist St.	31 ft.	4 in.	x	16 in.
Thames St. at Waites Wharf	41 ft.	4 in.	x	16 in.
Thames St. at Dearborn St.	49 ft.	4 in.	x	18 in.
Thames St. at Goodwin St.	43 ft.	4 in.	x	16 in.
Thames St. at Harrington St.	49 ft.	4 in.	x	16 in.
Thames St. at Holland St.	31 ft.	4 in.	x	16 in.
Thames St. at Dean Ave.	33 ft.	4 in.	x	16 in.
Thames St. at Underwood Court	41 ft.	4 in.	x	16 in.
Thames St. at Lee Ave.	45 ft.	4 in.	x	16 in.
Thames St. at Sharon Court	61 ft.	4 in.	x	18 in.
Thames St. at Byrnes Court	25 ft.	4 in.	x	16 in.
Thames St. at Dixon St.	31 ft.	4 in.	x	16 in.
Thames St. at Narragansett Ave.	75 ft.	4 in.	x	18 in.
Thames St. at Webster St.	47 ft.	4 in.	x	16 in.

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Thames St. at West Narragansett Ave.	57 ft.	4 in. x 16 in.
Thames St. at Stockholm St.	35 ft.	4 in. x 16 in.
Thames St. at Potter St.	35 ft.	4 in. x 16 in.
Thames St. at Lucas Ave.	41 ft.	4 in. x 16 in.
Thames St. at Connection St.	45 ft.	4 in. x 16 in.
Thames St. at Carroll Ave.	25 ft.	4 in. x 18 in.
Thames St. at Coddington St.	51 ft.	x 16 in.
Spring St. at Moffitt Place	23 ft.	2 in. x 16 in.
Spring St. at Sherman St.	35 ft.	2 in. x 16 in.
Spring St. at Golden Hill St.	33 ft.	4 in. x 16 in.
Spring St. at Dennison St.	29 ft.	2 in. x 16 in.
Spring St. at Bowery St.	33 ft.	2 in. x 16 in.
Spring St. at Fountain St.	33 ft.	4 in. x 16 in.
Spring St. at Pope St., East Side	33 ft.	2 in. x 14 in.
Spring St. at Pope St., West Side	23 ft.	4 in. x 14 in.
Spring St. at Extension St.	14 ft.	8 in. x 16 in.
Spring St. at South Baptist St.	33 ft.	4 in. x 16 in.
Spring St. at Dearborn St.	49 ft.	4 in. x 16 in,
Spring St. at Holland St.	33 ft.	4 in. x 16 in.
Spring St. at Dean Ave.	35 ft.	4 in. x 18 in.
Spring St. at Lee Ave.	47 ft.	4 in. x 16 in.
Spring St. at Bacheller's Court	43 ft.	2 in. x 16 in.
Spring St. at McAllister St.	18 ft.	8 in. x 16 in.
Spring St. at Dixon St., East Side	35 ft.	4 in. x 16 in.
Spring St. at Dixon St., West Side	31 ft.	4 in. x 16 in.
Spring St. at Hammond St.	49 ft.	4 in. x 16 in.
Friendship St. at Ellwood Place	33 ft.	4 in. x 18 in.

Total, 194.

NEW DRIVEWAYS PAVED.

Mary St. at Birckheads	15 ft. x	3 ft. 6 in.
Mary St. at Horgans	12 ft. x	3 ft. 6 in.
Record St. at Channing St.	26 ft. x	4 ft.
Record St. at Warner St.	23 ft. x	4 ft.
Hall Ave. at Prescott Place	13 ft. x	3 ft. 6 in.
Broadway at Asylum	13 ft. x	13 ft.
West Broadway at "S. S. Thompson's"	10 ft. x	3 ft.
East Bowery St. at Slocum St.	27 ft. x	4 ft.
East Bowery St. at Freebody St.	24 ft. x	4 ft.
Broadway at Carey's	15 ft. x	4 ft.
Levin St. at Goggin's	14 ft. x	4 ft.
Rhode Island Ave. at Whitehouse	36 ft. x	3 ft.
Spring St. at Greene Place	13 ft. x	1 ft. 6 in.
Barney St. at Dr. Ecroyd's	12 ft. x	3 ft.

DRIVEWAYS REPAIRED.

Long Wharf at Hook & Ladder Company	22 ft. x	16 ft.
Broadway at P. H. Horgan's	15 ft. x	4 ft.
Mann Ave. at T. M. Seabury's	12 ft. x	3 ft.
Spring St. at R. R. Barker's	12 ft. x	6 ft.
Mary St. at Franklin's	13 ft. x	6 ft.
Spring St. at Lawton's Stable	12 ft. x	6 ft.
Spring St. at Lawton's Stable	18 ft. x	6 ft.
Spring St. at Lawton's Stable	14 ft. x	6 ft.
Spring St. at Lawton's Stable	14 ft. x	6 ft.
Spring St. at Lawton's Stable	12 ft. x	6 ft.
Warner St. at Channing Court	16 ft. x	4 ft.
Channing St. at Shepley's	14 ft. x	4 ft.

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REPAVING GUTTERS.

Dartmouth St. and Channing St	20 ft.	x	4 ft.
Elm St. between Washington St. and Second St	306 ft.	x	2 ft.
Elm St. between Second St. and Third St	200 ft.	x	2 ft.
Calvert Street	378 ft.	x	2 ft.
Washington St. between Elm and Poplar St	215 ft.	x	2 ft.
Washington St. between Cherry and Pine Sts	214 ft.	x	2 ft.
Poplar St. near Washington St	125 ft.	x	2 ft.
Warner St., near Channing Ct	26 ft.	x	2 ft.
Sherman Street	50 ft.	x	2 ft.
Everett Street	200 ft.	x	2 ft.
Channing Street	325 ft.	x	2 ft.
Bellevue Ave. by Bancroft Ave	250 ft.	x	2 ft.
Charles St., Marlborough St. north	445 ft.	x	3 ft.
Spruce Street	50 ft.	x	2 ft.
Powel Avenue	62 ft.	x	2 ft.
Bull St. from Central to Kay Sts	745 ft.	x	2 ft.
Bull St. from Mt. Vernon to Kay Sts	390 ft.	x	2 ft.
Mt. Vernon St. from Touro to Barney Sts	130 ft.	x	2 ft.
Barney St., Mt. Vernon St. east	400 ft.	x	2 ft.
Catherine St. near Gibbs Ave	125 ft.	x	2-6 ft.
Mary St. from Thames to Spring Sts	1,067 ft.	x	2 ft.
Mill St. from Thames to Spring Sts	432 ft.	x	2 ft.
Mill St. from Spring St. to Bellevue Ave	150 ft.	x	2 ft.
Prospect Hill St. from Thames to Spring Sts	325 ft.	x	2 ft.
John Street	2,486 ft.	x	2 ft.
Ann Street	440 ft.	x	2 ft.
Church St. between Spring and Thames Sts	265 ft.	x	2 ft.
Levin Street	632 ft.	x	2 ft.
Bellevue Ave. (Reading Rooms)	100 ft.	x	2 ft.
Bellevue Ave. from Downing St. to Bath Road	537 ft.	x	2 ft.
Bellevue Ave., Pelham St. south	250 ft.	x	2 ft.
Bellevue Ave., Mill St. north	111 ft.	x	2 ft.
Bellevue Ave. at Aster's	225 ft.	x	2 ft.
Bath Road, Chapel St. to Middleton Ave	687 ft.	x	2 ft.
Bath Road, Freebody St. south	50 ft.	x	2 ft.
Ocean Ave. by Agassiz	450 ft.	x	3 ft.
Broadway near Calvert St	125 ft.	x	2 ft.

CINDER WALKS.

Clinton Avenue	700 ft.	x	5 ft.
Cranston Ave., Lincoln to Broadway	350 ft.	x	7 ft.
Rhode Island Ave. (T. A. Lawton's to J. Spooner's)	438 ft.	x	6 ft.
Washington St., Bridge to Willow Sts	631 ft.	x	8 ft.
Washington St., Elm St. to Smith's (West Side)	215 ft.	x	8 ft.
Washington St., Chestnut to Cherry Sts	208 ft.	x	8 ft.
Lincoln St., both sides	824 ft.	x	5 ft.
Tyler St., both sides	820 ft.	x	5 ft.
Summer Street	420 ft.	x	4 ft.
Whitfield Court	335 ft.	x	4 ft.
Whitehall Street	360 ft.	x	5 ft.
High Street	235 ft.	x	5 ft.
School Street	485 ft.	x	6 ft.
Warner St., opopsite Pleasant St	100 ft.	x	5 ft.

CURBS RESET.

Elm St., Washington to Second Sts	285 ft.
Channing Street	245 ft.

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Washington Street	227 ft.
Ball Street	317 ft.
Narragansett Avenue	45 ft.
Bellevue Ave., cor. Narragansett Ave.	10 ft.
Bellevue Ave., Reading Rooms south	111 ft.
Bellevue Ave., Ruggles to Marine Aves.	565 ft.
Bellevue Ave., Ledge Road west	1,030 ft.
Bellevue Ave., Sheppard to Ruggles Ave.	622 ft.
Bellevue Ave., Dixon St. to Narragansett Ave.	700 ft.
Levin Street	263 ft.
John Street	217 ft.
Farewell St. by Corell's	57 ft.
Broadway by T. A. Lawton's	14 ft
Broadway, Bay View to Newport Aves.	205 ft.
Broadway, Newport Ave. north	115 ft.
Broadway, Powel Ave. south	243 ft.
Mann Avenue	16 ft.
Farmer Street	425 ft.
Farmer Street, cor. Whitfield Court	15 ft.
Rhode Island Ave., Francis to Champlin Sts.	135 ft.
Rhode Island Ave. at Whitehouse's	35 ft.
Division St., Touro to Mary Sts.	720 ft.
Division St., Mary St. south	183 ft.
DeFoes Street	50 ft.
Kay St. by Dr. Stewart's	30 ft.
Old Beach Road	180 ft.
Thames St., opposite Wellington Ave.	30 ft.
Catherine St., Pit St. east	270 ft.
Catherine St., east from Elizabeth St.	100 ft.
Total	7,460 ft.

Total mileage, 1.4 miles.

CULVERTS REPAIRED

Pitts Avenue and Chanler Street.
Water Works Road and Gibbs Avenue.
Morton Avenue and Thames Street.
Ocean Avenue at Access.

NEW CULVERT BUILT

Peabody St. opposite Peabody Park	225 ft.

NEW CATCH BASINS BUILT

[illegible] Avenue and Chanler Street.
[illegible] Avenue and [illegible]
[illegible] Road and [illegible] Street.
[illegible] Avenue [illegible] Street.
Water Works Road and Gibbs Avenue.
[illegible] Avenue and West Narragansett Avenue.
[illegible] Avenue.

CROSSINGS REPAIRED

[illegible]
[illegible]
[illegible]
[illegible]
[illegible]
[illegible]

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Bath Road at Hayden Court.
Lake View Avenue at Bellevue Avenue.

CATCH BASINS AND EYES REPAIRED.

Mount Vernon Street and Touro Street	1
Wellington Avenue and Houston Avenue	1
Spring Street and Stone Street	1
Hall Avenue and Van Zandt Avenue	1
Third Street and Van Zandt Avenue	2
Broadway and Court House Street	1
Spruce Street and West Broadway	1
Spring Street and Narragansett Avenue	1
Gibbs Avenue, near Major Gibbs	1
Van Zandt Avenue and Congdon Avenue	1
Bath Road at Cliff Walk	1
Bridge Street, opposite Stoddard Court	1
Northan Lane	1
Young Street at No. 7 Engine House	1
Bliss Road and Gibbs Avenue	2
Weaver Avenue	1
Elm Street	1
Total	19

SEAWALLS REPAIRED.

Foot of Cherry Street	32 ft. x 4 ft.
Foot of Chestnut Street	42 ft. x 7 ft.
At Elm Street Pier	80 ft. x 3 ft.
At Easton's Beach	345 ft. x 12 ft. 6 in.
At Easton's Beach	384 ft. x 3 ft.

NEW GRANOLITHIC WALKS.

The following granolithic sidewalks were laid by the owners of abutting property, this department doing the excavating and filling in for a foundation, viz.:—
Fair Street, 60 feet, by J. A. Barker.
Thames Street, 66 feet, by T. M. Seabury Co.
Dean Avenue, 36 feet, by Thos. Maguire.
Third Street, 100 feet, by J. M. Friend.
Bellevue Avenue, 111 feet, by J. K. Sullivan.

GRANOLITHIC SIDEWALKS REPAIRED.

Narragansett Avenue	5 ft. x 5 ft.
Mann Avenue by Openshaws	16 ft. x 2 ft.
Franklin Street, by Butler's	5 ft. x 6 ft.
Spring Street, at Newton Estate	30 ft. x 6 ft.
Spring Street, corner of Dean Avenue	5 ft. x 6 ft.
Bath Road, No. 26	2 ft. x 3 ft.
Bath Road, No. 45	2 ft. x 2 ft.
Bath Road, No. 63	2 ft. x 4 ft.
Walnut Street, west of R. R. Bridge	10 ft. x 5 ft.
Walnut Street and Farewell Street	2 ft. x 2 ft.
Elm St., bet. Second and Washington Sts	12 ft. x 1 ft. 6 in.
Thames St., corner Wellington St	18 ft. x 6 ft.
Thames St., near Dixon St	5 ft. x 6 ft.
Thames St., No. 467	6 ft. x 5 ft.
Prospect Hill St., No. 57	6 ft. x 4 ft.

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SIDEWALKS REPAIRED.

Thames St. No. 65, brick	6 ft.	x	5 ft.
Thames St., No. 67, brick	15 ft.	x	6 ft.
Thames St., No. 187, asphalt block	192 ft.	x	5 ft.
Thames St., Prospect Hill St. to Franklin St., flag	57 ft.	x	5 ft.
Thames St., at Perry Mill, brick	70 ft.	x	16 ft.
Thames St., by Pinniger & Manchester's, flag.	10 ft.	x	5 ft.
Thames St., near Newton Court	15 ft.	x	6 ft.
Bull St., brick	140 ft.	x	2 ft.
Pelham St., No. 27, brick	30 ft.	x	8 ft.
Pelham St., No. 90, brick	18 ft.	x	6 ft.
Spring St., near Lawton's Stable, flag	50 ft.	x	4 ft.
Mill St., near Thames St	12 ft.	x	6 ft.
Bellevue Ave., near DeBlois St., brick	15 ft.	x	12 ft.
Spring St., Sherman St. to Allan Ct., flag	135 ft.	x	5 ft.
Washington St., cor. Poplar St., dirt	60 ft.	x	5 ft.
Court House St., flag	120 ft.	x	2 ft.
Division St., Touro to Franklin's, brick	360 ft.	x	5 ft.
Division St., Touro to Mary Sts., brick & flag.	360 ft.	x	5 ft.
Division St., Mary St. south, brick	153 ft.	x	5 ft.
Bellevue Ave., at Bennett Estate, brick	100 ft.	x	10 ft.
Mount Vernon St., Bull St. south, brick	30 ft.	x	6 ft.
Bellevue Ave., Church to Touro Sts., cement	276 ft.	x	4 ft.
Church St., Bellevue Ave. west, cement	356 ft.	x	5 ft.
Farewell St., near Orell St., flag	57 ft.	x	8 ft.
Farewell St., cor. No. Baptist St., flag	10 ft.	x	10 ft.
Kay St., at Dr. Stewart's, cement	30 ft.	x	2 ft.
Broadway, at Equality Park, cement	10 ft.	x	9 ft.
Broadway, Mann Ave. south, dirt	245 ft.	x	10 ft.
Broadway, Bellevue Ave. to Mile Corner, dirt	884 ft.	x	7 ft.
Beach Road, at Easton Beach, asphalt blocks	145 ft.	x	6 ft.
Old Beach Rd., Pit St. to Red Cross Ave., dirt	470 ft.	x	4 ft.
Charning St., dirt	1,664 ft.	x	18 ft.
William St., dirt	725 ft.	x	5 ft.
Golden Hill St., dirt	250 ft.	x	5 ft.
Howard St., dirt	430 ft.	x	6 ft.
Connecticut St., dirt	750 ft.	x	8 ft.
Mann Ave., dirt	530 ft.	x	8 ft.
Bay View Ave., dirt	900 ft.	x	6 ft.
Rhode Island Ave., near Catherine St., dirt	250 ft.	x	7 ft.
Rhode Island Ave., Francis to Channing St., dirt	70 ft.	x	5 ft.
Catherine St., bet. Rhode Island and Kossuth, dirt	336 ft.	x	8 ft.
Avenue St., Catherine St. north, dirt	275 ft.	x	7 ft.
Sunset Wharf, cement	78 ft.	x	5 ft.
Burton St., dirt	487 ft.	x	4 ft.
Broadway, Grand Ave. to Great Road, dirt	200 ft.	x	6 ft.
Broadway, Main Ave. to Nelson Court, dirt	162 ft.	x	17 ft.
Beach Road, Cliff Ave. to Cliff Walk, dirt	700 ft.	x	8 ft.
Newport Ave., Broadway west, dirt	120 ft.	x	5 ft.
Power St., Spring to Wood Sts., dirt	347 ft.	x	5 ft.

CLEANING CATCH BASINS.

[illegible] and [illegible] to [illegible] assistance [illegible] weather permitting) in the work of cleaning catch basins and sculpins, and

the following is a complete list, arranged monthly, of the location and number cleaned, viz.:—

April.

Pond Ave. and W. Broadway. 1
Rhode Island Ave. and Broadway 1
Broadway, opp. Davis Ct.... 1
Spruce St. and W. Broadway. 3
Callender Ave. and W. Broadway 1
Collins St. and W. Broadway. 1
Eyehole, Tilden Ave. and W. Broadway 1
Farewell St. and Walnut St.. 1
Farewell St. and Appleby St.. 1
Brown & Howards Wharf.... 1
Cozzens Ct. and Thames St.. 1
Long Wharf and Thames St. 1
Duke St. and Marlborough St. 1
Thames St. and Mary St..... 1
Thames St. and Mill St..... 2
Thames St. and Kinsley Whf. 1
Thames St. and Franklin St.. 1
Thames St. and Prospect Hill St. 1
Frank St. near Thames St... 1
Cannon St. and Thames St... 1
Howard St. and Thames St.. 2
Extension St. and Thames St. 2
Thames St. and Dean Ave... 2
Gould St. and W. Broadway.. 1
Arnold Ave. and Broadway... 1
Broadway, opp. Thurston Ave. 1
Caleb Earl St. and West Broadway 1
Oak St. and W. Broadway.... 1
Burnside Ave. and W. Broadway 1
Warner St. and Farewell St.. 1
Farewell St. and Thames St.. 1
Almy's Wharf and Thames St. 1
"Bijo." Thames St..... 1
Marlborough St. and Thames St. 1
Touro St. and Thames St.... 1
Thames St. and West Marlborough 1
Thames St. and Church St... 1
Ferry Wharf 1
Green St. and Thames St.... 1
Thames St. and Commercial Wharf 1
Ferry Wharf 1
Franklin St. and Thames St.. 1
"Armory," Thames St..... 1
West Howard St. and Thames St. 1
Coddington Whf. and Thames St. 1
Holland St. and Thames St.. 1
Lee Avenue 1
Narragansett Ave. & Thames St. 3
Morton Ave. & Carroll Ave.. 1
Perry St. & Spring St..... 2
Spring, between Dennison & Brewer 1
Bellevue Ave. & Levin St.... 2
Levin St. & Thomas St..... 1
Levin St. & Spring St..... 1
Pelham St. & Spring St..... 1
Marchant St. & Connection St. 1
Houston Ave. & Wellington Ave. 1
Harrison Ave. at Dr. Clark's. 1
Wellington & Marchant St... 1
Roseneath Ave. 1
Division St. & Mary St..... 2
Touro St. & Mt. Vernon St... 1
Cottage St. 1
Bath Road & Freebody St.. 2
Bath Road & Edgar Ct..... 1
Merton Road & Middleton Ave. 1
Bridge St. & Hammond Ct... 1
Marsh St. & Second St..... 1
Elm St. & Second St..... 1
Fountain St. & Spring St.... 1
Webster St. & Thames St... 2
Harrison Ave. 1
Young St. 2
Golden Hill St. & Spring St. 1
Spring St. & William St..... 1
Dearborn St. & Spring St.... 1
John St. & Spring St..... 2
Mill St. & Spring St..... 1
Marchant St. & Narragansett Ave. 1
Harrison Ave. at Batty's Hill 3
Wellington Ave. 2
Houston Ave. at J. H. Sullivan's 1
Church St. & Spring St..... 2
Touro St. & Spring St..... 1
Touro St. & Mary St..... 1
Chapel St. 1
Bath Road & Middleton Ave. 2
Catherine St. & R. I. Ave.... 1
East Bowery St. & Middleton Ave. 1

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Bridge St. & Third St..... 2
Bridge St. & Second St..... 1
Washington St. at Boiler Shop 1
Total number cleaned during month..... 113

May.

Elm St. & Second St..... 1
Willow St. & Third St..... 1
Willow St. 1
Cherry St. near R. R..... 1
Elm St. near R. R..... 1
Elm St. & Third St..... 2
Walnut St. & Third St..... 1
Third St. & Van Zandt Ave... 1
Poplar St. near R. R..... 2
Washington Sq & Thames St. 1
Washington Sq. & Mall..... 1
Marlborough St. & Farewell St. 1
Kay St. & Brinley St..... 1
Ruggles Ave. & Coggeshall Ave. 1
Ledge Road 1
Bellevue Ave. & Rough Point 1
Thames St. & Almy's Wharf. 1
Ruggles Ave. & Lawrence Ave. 2
Narragansett Ave. at "Callenders" (South side)..... 2
Narragansett Ave. at "Callenders" (North side)..... 2
Middleton Ave. & Berkeley Ave. 2
Bellevue Ave. & Webster St. 2
Middleton Ave. & Parker Ave. 1
Dixon St. near Bellevue Ave. 1
Bellevue Court 1
East Bowery St. & Bellevue Ave. 2
Bellevue Ave. & Downing St. 1
Bellevue Ave. & Kay St..... 1
Ayrault St. & Kay St..... 2
Cranston Ave. & Kay St..... 1
Powel Ave. west of Hope St. 1
Friendship St. & Gardner St. 1
Bath Road & Cliff Ave..... 1
Gibbs Avenue 1
Thames & West Marlborough St. 2
Bradford Ave. 1
Broadway & Malbone Road.. 1
Hall Ave. & Channing St.... 2
Congdon & Van Zandt Ave.. 1
Pond Ave. & W. Broadway.. 1
Meeting St. & River Lane... 1
River Lane & Farewell St... 1
Victoria Ave. & Coggeshall.. 1
Bellevue Ave. & Bailey's Beach 1
Lake View Ave. & Ledge Rd. 1
Bellevue Ave. & Ruggles Ave. 2
Bellevue Ave. & LeRoy Ave.. 1
Narragansett Ave. & Clay St. 1
Bellevue Ave. & Parker Ave. 1
Bellevue Ave. & Narragansett Ave. 1
Bellevue Ave. & Parker Ave. 1
Bellevue Ave. & Perry St... 1
East Bowery & Freebody St.. 1
Bowery St. & Bellevue Ave.. 1
King St. & Bowery St..... 1
Mann Ave. & Kay St..... 1
Everett St. & Kay St..... 1
Rhode Island Ave. & Kay St. 3
Friendship St. & Hope St.... 1
Francis St. & Rhode Island Ave. 1
Gibbs Ave. & Catherine St.. 1
Everett St. near Francis St.. 1
Thames & Coddington St.... 1
Bliss Road & Whitehall St.. 1
Hall Ave. 2
Hall Ave. & Van Zandt Ave. 2
Homer St. & Garfield St..... 1
Evarts St. & Brandt St..... 1
Gould St. & Broadway..... 1
Caleb Earl & W. Broadway.. 1
Callender Ave. & W. Broadway 1
Burnside Ave. & W. Broadway 1
Tilden Ave. & W. Broadway. 1
Branch St. & W. Broadway.. 1
Cor. Warner & Farewell St.. 2
Farewell St. & Braman's Ct.. 1
Thames St. & Cozzens Ct.... 2
Total number cleaned during month..... 110

June.

Thames St. & Long Wharf.. 1
Mall & Touro St..... 1
Cranston Ave. & Broadway.. 1
Spruce St. & W. Broadway.. 2
Oak St. & West Broadway... 1
Collins St. & W. Broadway.. 1
Appleby St. & Farewell St... 1
Marlborough St. & Broadway. 1

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Thames St. & Farewell St.... 1
Thames St. & Cross St..... 2
Thames St. & West Marlborough St. 2
Thames St. & Touro St..... 1
Frasch's Ct. & Thames St.... 1
Swinburne's Wharf & Thames St. 1
Frank St. & Thames St..... 1
Mill St. & Thames St..... 2
Thames St. & Kinsley's Whf. 1
Pelham St. by Stewart's Stable 1
Prospect Hill St. & Thames St. 1
Franklin St. & Thames St.... 2
Thames St. & Commercial Wharf 2
Fair St. & Thames St..... 1
Gidley St. near Thames St... 1
Thames St. & Dennison St... 2
Howard St. & Thames St.... 2
Extension St. nr. Thames St.. 2
Thames St. & Waites Wharf. 1
Dearborn St. & Thames St.. 1
Thames St. & Dean Ave..... 2
Mary St. & Thames St..... 1
Church St. & Thames St.... 1
Frank St. near Thames St... 1
Ferry Wharf 2
Pelham St. & Thames St.... 2
Green St. near Thames St... 1
Thames St. & Mason's Ct.... 1
Commercial Wharf 1
Cannon St. & Thames St..... 2
Ann St. & Thames St..... 1
Thames St. & Ann St..... 2
Brown & Howards Wharf.... 1
Pope St. & Thames St..... 1
Thames St. & West Extension St. 1
Thames St. opp. Waite's Whf. 1
Holland St. & Thames St.... 1
Thames St. & Harrington St. 1
Lee Ave. & Thames St..... 1
Thames St. & Narragansett Ave. 2
Carroll Ave. 2
Webster St. 2
Kingsley's Wharf 1
Spring St. & Dixon St..... 1
Freebody St. & Merton Road 1
Bacheller's Court 1
Perry St. & Spring St..... 2
Howard St. & Spring St..... 1
Young St. at No. 7 Engine House 1
Spring St. & Golden Hill St.. 1
Thames St. & Long Wharf... 1
William St. & Spring St..... 1
Levin St. & Spring St..... 2
Spring St. & Prospect Hill St. 1
Spring St. & Prospect Hill St. 1
Corne St. & Pelham St..... 1
Spring St. & Pelham St..... 2
Spring St. & Church St..... 2
Division St. & Mary St..... 2
Pelham St. at Stewart's Stable 1
Bellevue Ave. & Levin St... 1
Touro St. & High St..... 1
Division St. & Touro St..... 1
Spring St. & Allan's Ct..... 1
Spring St. & Stone St..... 1
Broadway at City Hall..... 1
Division St. & Mary St..... 1
Marlborough St. & Thames St. 1
Thames St. opp. Wellington Ave. 1
Thames St. & West Narragansett 1
Carey St. 2
Spring St. & Narragansett Ave. 2
Sayer's Wharf 1
Byrnes Court 1
McAllister St. 1
Bacheller's Ct. & Spring St.. 1
Lee Ave. & Spring St..... 2
East Street 1
Spring St. at "McCormick's". 1
Golden Hill St..... 1
William St. & Thomas St.... 1
William St. 1
Spring St. opp. Cannon St... 1
Spring St. & John St..... 2
Corne & Prospect Hill St.... 1
Spring St. & Franklin St.... 1
Spring St. & Mill St..... 2
Spring St. & Mary St..... 2
Touro St. & Spring St..... 2
Bellevue Ave. & Bath Road.. 1
Touro St. & Mary St..... 1
Touro St. & Mt. Vernon St.. 1
Barney St. & Spring St..... 2
Sherman St. & Spring St.... 1
Bull St. & Broadway..... 2
Touro St. & School St..... 1
West Marlborough & Thames St. 2
Thames St. at Old City Hall. 1
Thames St. & Swinburne's Wharf 1

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W. Broadway & Edward St.. 2
Bull St. & Mt. Vernon St.... 2
Touro St. & Division St..... 1
Broadway & Farewell St.... 1
Broadway & Gould St..... 2
Rhode Island Ave. & Broadway 1
Thurston Ave. & Broadway.. 1
Oak St. & Broadway..... 1
Gould St. & W. Broadway... 1
Thames St. & Brown & Howard's Wharf 1
W. Broadway & Branch St... 1
Touro St. & Mary St..... 1
Broadway & Park Place..... 1
Broadway & Everett St..... 1
Broadway & Marlborough St. 1
Whitehall St. & Bliss Road.. 1
Ayrault St. & Broadway..... 2
Broadway & Cranston Ave... 1
Calvert St. near Broadway.. 1

Total number cleaned during month..... 147

July.

Broadway & Vernon Ave.... 1
Broadway & Malbone Road. 1
Warner St. & Bay View Ave.. 1
Warner St. & Gould St..... 4
Pond Ave. & Heath Ct..... 2
Warner St. opp. Callender Ave. 1
Elm St. & Cross St..... 1
Bridge St. & Third St..... 1
Boiler Shop & Washington St. 1
Spring St. & Stone St..... 1
Second St. & Elm St..... 1
Third St. & Willow St..... 1
Second St. & Battery St..... 1
Elm St. & R. R..... 1
Broadway & Branch St..... 1
Broadway & Farewell St.... 1
West Broadway & Marlborough St. 1
Broadway & Bedlow Ave.... 1
Broadway & Elliott Place.... 1
Warner St. & Newport St... 1
Park St. & Gould St..... 1
Pond Ave. & Warner St..... 1
Vicksburg Place 1
Bridge St. & Hammond Ct... 1
Marsh St. & Second St..... 1
Washington St. opp. Elm St. 1
Washington St. & Elm St... 1
Third St. & Elm St..... 1
Third St. & Walnut St..... 1
Poplar St. & R. R..... 3
Broadway at City Hall..... 1
Broadway & Park Place 2
Thames St & Kinsley's Whf. 1
Farewell & Marlborough St.. 1
Thames St. & Marlborough St. 2
Thames St. & Coddington St 1
Washington Sq & Thames St. 1
Cotton Ct & Thames St 1
Ferry Wharf (North Side) 1
"Armory," Thames St 1
Thames St & Dennison St . 1
Thames St. & Waites Wharf. 1
Thames St. & Dearborn St... 1
Wellington Ave. & Marchant St. 2
Wellington Ave. near Roseneath 1
Wellington Ave. & Chastellux Ave. 1
Roseneath Ave. 1
Houston Ave. 2
Marchant St. & Connection St. 2
Marchant St. & Eastnor Rd. 3
Roseneath Ave. & Harrison Ave. 1
Bellevue Ave. & Bath Road.. 1
Brinley St. & Kay St..... 2
Coggeshall Ave. & Bellevue Ave. 1
Rough Point & Bellevue Ave. 1
Ruggles & Lawrence Ave.... 1
Coggeshall & Victoria Ave... 1
Webster St. & Bellevue Ave. 1
Dixon St. 1
Bellevue Ave. & Berkeley Ave. 1
Weaver & Middleton Ave... 2
Middleton Ave & Merton Rd. 1
Bath Road & Edgar Ct..... 1
Chapel St. & DeBlois St..... 1
W. Broadway & Branch St... 1
Washington Sq. & Charles St. 1
Frasch's Ct. & Thames St... 1
Frank St. & Thames St..... 1
Thames St. & Commercial Wharf 2
Thames St. & Brown & Howards Wharf 1
Thames St. & W Howard St. 1
Thames St. & Coddington Wharf 1
Carrol Ave. & Polo Ground.. 1
Wellington & Roseneath Ave. 1
Wellington & Columbus Ave. 1

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Wellington & Houston Ave.. 1
Roseneath Ave. & Connection St. 2
Houston Ave. & Connection St. 1
Eastnor Road 1
Marchant St. & Harrison Ave. 1
Morgan's Ct. 1
Bellevue Ave. & Levin St.... 1
Church St. 1
Ledge Road 1
Ledge Rd. at Lake View Ave. 1
Bellevue Ave. & Ruggles Ave. 1
Coggeshall & Ruggles Ave... 1
Parker & Bellevue Ave..... 2
Bellevue Ave. opp. Perry St. 1
Bowery St. & King St..... 1
Middleton & E. Bowery St... 1
Bath Rd. opp. Middleton Ave. 1
State St. & DeBlois St..... 1
Chapel St. at "Fludders".... 1
Bath Road & Freebody St... 2
Merton & Annandale Rd..... 1
Dresser St. & Annandale Rd. 1
Narragansett Ave. at "Pinards" 2
W. Broadway & Tilden Ave.. 1
Thames St. & Swinburne's Wharf 1
Middleton Ave. & Berkeley Ave. 1
Ochre Point at Webster St.. 2
Broadway & State House St. 1
End of Bath Road..... 1
Bath Rd. & Cliff Ave..... 1
Ward Ave. at "Pinards"..... 2
W. Broadway & Edward St.. 2
Callender Ave. & Davis Ct... 1
Middleton Ave. & Parker Ave. 3
Narragansett Ave. at "Chandlers" 2
Lawrence Ave. at Webster St. 2
Total number cleaned during month..... 139

August.

LeRoy Ave. & Lawrence Ave. 2
Collins St. & W. Broadway.. 1
Spruce St. & W. Broadway... 1
Catherine St. & R. I. Ave..... 1
Old Beach Rd. & Cottage St. 2
Old Beach Rd. at "Burkheads" 1
Powell Ave. 1
Everett St. 1
Kay St. & Everett St..... 1
Catherine St. & R. I. Ave... 1
Bellevue Ave. & Catherine St. 1
Channing St. & Hall Ave.... 2
Van Zandt Ave. & Congdon Ave. 1
Homer St. & Garfield St..... 1
Thames St. & W. Marlborough St. 1
Thames St. & Marlborough St. 1
Farewell St. & River Lane... 2
Cozzens Ct. & Bridge St..... 2
Ruggles Ave. & Lawrence Ave. 3
Burnside Ave. & W. Broadway 1
Champlin St. & Hunter Ave.. 1
Catherine St. opp. Cottage St. 1
Tew's Ct. & Old Beach Rd.. 1
Friendship & Hope St..... 1
Rhode Island Ave. & Kay St. 1
Kay St. & Cranston Ave.... 1
Kay St. & Ayrault St..... 2
Catherine St. & Gibbs Ave.. 1
Bellevue Ave. & Kay St..... 1
Van Zandt Ave. & Hall Ave.. 3
Van Zandt Ave. & Tilley Ave. 1
W. Marlborough & Thames St. 2
Thames St. opp W. Marlborough 1
Farewell St. 1
Thames St. & Bridge St..... 1
Coddington St. & Bridge St. 1
Thames St. & Long Wharf... 1
Thames St. & Washington Sq. 1
Prison St. & Washington Sq. 1
Thames St. & Mary St..... 1
Thames St. & Church St..... 1
Thames St. & Mill St..... 2
Ferry Wharf 2
Thames St. & Prospect Hill St. 1
Thames St. & Franklin St... 2
Thames St. & Commercial Wharf 2
Thames St. & Ann St..... 2
Thames St. & Dennison St... 2
Young St. 2
Thames St. & W. Howard St. 2
Thames St. & W. Extension St. 1
Thames St. & Waites Wharf. 2
Thames St. & Holland St.... 1
Dean Ave. & Thames St..... 2
Thames St. & Narragansett Ave. 3
Thames St. & Webster St.... 1

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Thames St. & Polo Lot..... 1
Narragansett Ave. & Spring St. 3
McAllister St. 1
Spring St. & Bacheller St.... 1
Spring St. & Howard St..... 1
West Street 1
Spring St. & Young St..... 1
William Street 1
John St. & Spring St..... 2
Pelham St. & Corne St..... 1
Thames St. & Touro St..... 1
Charles St. & Washington Sq. 1
Thames St. & Swinburne's Wharf 1
Thames St. & Frasch's Ct... 1
Frank Street 1
Thames St. & Kinsley's Whf. 1
Thames St. & Pelham St..... 2
Golden Hill St. & Spring St.. 1
Thames St. & Cannon St.... 2
Commercial Wharf 1
"Armory," Thames St..... 1
Thames St. & Brown & Howard's Wharf 1
Thames St. & Howard St.... 2
Thames St. & Pope St..... 1
Extension St. 1
Thames St. & Dearborn St... 1
Thames St. & Harrington St. 1
Thames St. opp Wellington
Thames St. & W. Narragansett Ave. 1
Thames St. & Lucas Ave.... 1
Eastmor Rd. & Carroll Ave.. 1
Dixon St. & Spring St..... 1
Bachellers Street 1
Spring St. & Lee Ave..... 2
Perry St. & Spring St..... 2
Collins St. & W. Broadway.. 1
Spring St. opp. "McCormick's" 1
Levin St. & Spring St..... 2
Prospect Hill & Corne St.... 1
Spring & Prospect Hill St... 1
Pelham St. & Spring St..... 2
Church St. & Spring St..... 2
Mary St. & Division St..... 2
Mary St. & School St..... 1
Barney St. & Spring St..... 2
Thames St. & Swinburne's Wharf 1
Spring St. & Sherman St..... 2
Broadway & Farewell St.... 1
Broadway & Branch St..... 1
Broadway at City Hall..... 1
Mill St. & Spring St..... 2
Mary St. & Church St..... 1
Mary St. & Touro St..... 1
Touro St. & Spring St..... 2
Touro & Mt. Vernon St..... 1
Division St. & Touro St..... 1
Spring St. & Stone St..... 1
Broadway & Court House St. 1
Broadway & Bull St..... 2

Total number cleaned during month..... 154

September.

Thames St. & W. Marlborough St. 2
Thames St. & Bridge St..... 1
Thames St. & Washington Sq. 1
Thames St. & Cozzens Ct.... 1
Thames St. at Old City Hall. 1
Mall & Touro St 1
Thames St. & Frasch's Ct ... 1
Thames St. & Church St..... 1
Frank St near Thames St... 1
Ferry Wharf 2
Commercial Wharf 1
Thames St. & Cannon St.... 2
Thames St. & Fair St..... 1
Thames St. & Dennison St . 2
Thames St. & Howard St.... 1
Thames St. & Pope St 1
Thames St. & W. Extension St 1
Extension St 1
Thames St. & Marlborough St. 1
Thames St. & Coddington St. 1
Thames St. & Franklin St... 1
Duke Street 1
Thames St. & Touro St..... 1
Thames St. & Swinburne's Wharf 1
Thames St. & Mary St..... 1
Thames St. & Mill St..... 2
Frank Street 1
Green Street 1
Commercial Wharf & Thames St. 1
Thames St. & Prospect Hill St. 1
Thames St. & Ann St..... 1
Thames St. & Brown & Howard's Wharf 1
Thames St. & W Howard St. 1
Thames St. & Extension St.. 1
Thames St. & Dearborn St.. 1
Gilley Street 1
Thames St. & Holland St.... 1

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Thames St. & Harrington St. 1
Dean Avenue 2
Thames St. & W. Narragansett Ave. 1
Thames St. & Lucas Ave..... 1
Spring St. & Dixon St..... 1
McAllister St. 1
Spring St. & Golden Hill St. 1
William St. 1
Spring St. & John St..... 2
Prospect Hill St. & Corne St. 1
Pelham St. & Spring St..... 2
Spring St. & Church St..... 2
Spring St. & Mary St..... 1
Division St. & Touro St..... 1
Bellevue Ave. & Bath Road.. 1
Touro St. & Mary St..... 1
Touro St. & School St..... 1
Spring St. & Barney St..... 2
Bull St. & Broadway..... 2
Farewell St. & Marlborough St. 2
Broadway & Mann Ave..... 2
Broadway & Ayrault St..... 2
Broadway & Oak St..... 1
Broadway & Gould St..... 1
Broadway & R. I. Ave..... 1
Bliss Road & Whitehall St.. 1
Broadway & Vernon Ave.... 1
Warner St. & Bay View Ave. 1
Channing St. & Hall Ave..... 1
Thames St. & Dean Ave..... 1
Thames St. & Lee Ave..... 1
Thames St. & Narragansett Ave. 2
Carey St. & Thames St..... 1
Carey Street 2
Dearborn & Spring St..... 2
Spring St. & Bowery St..... 2
Spring St. & William St..... 2
Spring St. & Levin St..... 2
Pelham St. & Corne St..... 1
Prospect Hill St. & Spring St. 1
Mill St. & Spring St..... 2
Spring St. & Touro St..... 2
Division St. & Mary St..... 1
Mt. Vernon St. & Touro St.. 1
Bellevue Ave. & Levin St.... 1
Touro St. & High St..... 1
Thames St. & West Marlborough St. 2
Spring St. & Sherman St.... 2
Thames St. & Swinburne's Wharf 1
Bull St. & Mt. Vernon St.... 2
Broadway & Kilburn Ct..... 1
Broadway & Everett St..... 1
Broadway at Equality Park.. 1
Broadway & Cranston Ave.. 1
Broadway & Malbone Road.. 1
Broadway & Summer St..... 2
Warner St. & Gould St..... 4
Warner St. & Newport Ave.. 1

Total number cleaned during month..... 124

October.

Hall Ave. & Channing St.... 1
Homer St. & Garfield St..... 1
Van Zandt Ave. & Tilley Ave. 2
Warner St. & Farewell St... 1
Appleby St. & Farewell St.. 1
No. Baptist & Farewell St.. 1
Elm St. & Third St..... 2
Marsh St. & Second St..... 2
Washington St. & Elm St... 2
Thames St. & Swinburne's Wharf 1
Third St. & Willow St..... 1
Cottage St. & Old Beach Rd. 2
Battery St. & Second St..... 1
Elm St. near Fourth St..... 1
Harrison Ave. at "Auchincloss" 2
Harrison Avenue at "Dr. Clarke's" 1
Wellington Ave. 1
Wellington Ave. & Houston Ave. 2
Lake View Ave. & Ledge Rd. 1
Bellevue Ave. at turn..... 1
Bellevue Ave. & Webster St. 1
Bellevue Ave. & Catherine St. 1
Bellevue Ave. & Bowery St.. 1
Church St. at Hack Stand.... 1
Bellevue Ave. & Parker Ave. 2
Bellevue Ave. & Webster St. 1
Ward Ave. 2
Narragansett Ave. opposite "Reeves" 1
At Forty Steps..... 1
Leroy Ave. & Lawrence Ave. 2
Hall Ave. & Van Zandt Ave.. 3
Van Zandt & Congdon Ave... 1
Warner St. opp. Callender Ave. 1
Thames St. & Farewell St... 1
Walnut St. & Farewell St.... 1
Poplar St. & R. R. 1
Marsh St. & Third St..... 1
Bridge St. & Stoddard Ct.... 1
Second St. & Elm St..... 2
Bridge St. & Second St..... 2

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Washington St. at Boiler Shop 1
Van Zandt Ave. & Third St.. 1
Cherry St. near R. R..... 1
Harrison Ave. at Ridge Rd... 1
Harrison Ave. at Fort Rd.... 3
Halidon Hill 1
Wellington Ave. & Columbus Ave. 1
Simmons St. & Marchant St.. 1
Ledge Road 1
Bellevue Ave. at LeRoy Ave. 1
Bellevue Ave. & Kay St..... 1
Bellevue Ave. & Downing St. 1
Bellevue Ave. & East Bowery 1
Bellevue Ave. opp. Perry St.. 1
Bellevue Ave. & Narragansett Ave. 1
Dixon St. 1
Narragansett Ave. opp "Sheldon's" 2
Bellevue Court 1
Webster St. & Lawrence Ave. 2
Sheppard & Lawrence Ave.. 2
Ruggles Ave. & Lawrence Ave. 4
Ruggles Ave. at "Kernochans" 1
Halidon Hill 1
Victoria & Coggeshall Ave.. 1
Marlborough & W. Broadway 2
Edward St. & W. Broadway. 2
Burnside Ave. & W. Broadway 1
Callender Ave. & W. Broadway 1
Spruce St. & W. Broadway... 1
Pond Ave. & W. Broadway... 1
Broadway & Mann Ave..... 1
Pond Ave. & Heath Ct..... 2
Bath Road & Middleton Ave. 2
Thames St. & Brown & Howards Wharf 1
Middleton & Weaver Ave.... 1
Annandale Rd. & Dresser St. 2
Annadale Rd. opp "Corrigans" 1
At Beach 1
Champlin St. & Hunter Ave. 1
Ochre Point & Webster St.. 1
Ruggles Ave. at Ochre Point. 1
Coggeshall & Ruggles Ave... 1
Freebody St. & Bath Rd..... 2
Branch St. & W. Broadway.. 1
Tilden Ave. & W. Broadway.. 1
Collins St. & W. Broadway... 1
Oak St. & W. Broadway..... 1
Caleb Earl & W. Broadway.. 1
Thames St. & Spring Wharf. 1
Callender Ave. & Davis Ct... 1
Bath Rd. & Edgar Ct..... 1
Pelham St. & Spring St..... 1
Middleton Ave. & E. Bowery St. 1
Middleton Ave. & Merton Rd. 1
Annandale & Merton Rd..... 1
Bath Rd. & Cliff Ave..... 1
Catherine St. & Gibbs Ave... 1
Francis St. & R. I. Ave..... 1

Total number cleaned during month..... 130

November.

R. I. Ave. & Kay St..... 3
Kay St. & Ayrault St..... 2
Everett Street 1
Powell Avenue 1
Brinley St. & Kay St..... 2
Tews Ct. & Old Beach Rd.... 1
Spring St. & Levin St..... 2
Thames St. & Marlborough St. 1
Broadway & Everett St..... 1
Hope St. & Friendship St.... 1
Everett St. & Kay St..... 2
Mann Ave. & Kay St..... 1
W. Broadway & Branch St... 1
Catherine St. opp Cottage St. 1
State St. & DeBlois St..... 1
Spring St. & John St 1
Broadway & Oak St..... 1
Broadway & Cranston Ave... 1
Broadway & Gould St..... 1
Chapel St. & DeBlois St..... 1
Spring St. & Dixon St..... 1
Spring St. & Bowery St..... 2
King St. & Bowery St..... 1
Young Street 1
Spring St. & Golden Hill St.. 1
Spring St. & William St..... 1
Spring St. opp. Cannon St... 1
Corne St. & Prospect Hill St. 1
Spring St. & Mill St..... 2
Spring St. & Mary St..... 1
Touro St. & Mary St..... 1
Touro St. & Division St..... 1
Touro St. & Spring St..... 2
Spring St. & Allens Ct..... 1
Broadway & Bull St..... 2
Mt. Vernon St. & Sherman St. 1
Broadway & Court House St. 2
Thames St. at Old City Hall. 1
Thames St. & Touro St.... . 1
Washington Square 1
Thames St. & Swinburne's Wharf 1
Washington Sq. & Prison St. 1
Mann Ave. & Broadway..... 1

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R. I. Ave. & Broadway..... 1
Broadway & Whitehall St... 2
Bradford Ave. 1
Newport Ave. & Warner St.. 1
Hall Ave. & Van Zandt Ave.. 3
Chapel Street 1
Spring St. & Narragansett ..Ave. 2
Spring St. & Bachellers Ct... 1
Spring St. & Perry St..... 2
Spring St. & Young St..... 1
Spring St. opp. "McCormicks" 1
Golden Hill St..... 1
William Street 1
Spring St. & John St..... 1
Corne St. & Pelham St..... 2
Spring St. & Church St..... 2
Division St. & Mary St..... 2
Touro St. & Mt. Vernon St... 1
Touro St. & School St..... 1
Spring St. & Barney St..... 2
Spring St. & Sherman St.... 2
Mt. Vernon St. Bull St..... 2
Broadway & Farewell St..... 1
Marlborough & Farewell St.. 2
Thames St. & Washington Sq. 1
Touro St. & Washington Sq..
Thames St. & Church St..... 1
Touro St. & Spring St..... 1
Marlborough St. & Broadway 1
Pond Ave. & W. Broadway... 1
Broadway & Thurston Ave... 1
Bliss Rd. & Whitehall St..... 1
Gould St. & Warner St..... 4
Channing St. & Hall Ave.... 2
Homer St. & Garfield St..... 1
Evarts St. & Brandt St..... 1
Farewell Street 1
Farewell St. & Appleby St... 1
Thames St. & Cozzens Ct.... 1
Thames St. & Swinburne St. 1
Thames St. & Coddington St. 1
Thames St. opp. Marlborough St. 1
Thames St. & Mary St..... 1
Ferry Wharf 2
Mill Street 1
Farewell St. & Walnut St.... 1
Farewell St. & Thames St... 1
Thames St. & W. Marlborough St. 3
Thames St. & Bridge St..... 1
No. Baptist & Charles St.... 1
Thames St. & Marlborough St. 1
Thames St. & Frasch's Ct... 1
Frank Street 1
Thames St. & Mill St..... 2

Total number cleaned during month..... 128

December.

Thames St. & Kinsley Whf.. 1
Pelham St. (Stewart's Stable) 1
Green Street 1
Thames St. & Prospect Hill St. 1
Thames St. & Commercial Wharf 2
Thames St. & Cannon St.... 2
Thames St. & State Armory. 1
Thames St. & Dennison St... 2
Thames St. & Howard St.... 2
Thames St. opp. Waites Whf. 1
Spring St. & Levin St..... 2
Thames St. & Pope St..... 1
Thames St. & W. Extension St. 1
Dean Avenue 1
Thames St. & W. Narragansett Ave. 1
Thames St. & Lee Ave..... 1
Webster Street 2
Thames St. & Pelham St.... 2
Mason Court 1
Thames St. & Swinburne's Wharf 1
Thames St. & Franklin St... 2
Commercial Wharf 1
Thames St. & Ann St..... 1
Thames St. & Brown & Howard's Wharf 1
Thames St. & W. Howard St. 1
Thames St. & Waites Wharf. 1
Thames St. & Dearborn St... 1
Extension Street 1
Thames St. & Extension St.. 1
Thames St. & Harrington St. 1
Thames St. & Narragansett Ave. 2
Thames St. opp. Wellington Ave. 1
Carey Street 2
Thames St. & Carey St..... 1
Thames St. & Lucas Ave.... 1
Eastnor Rd. & Carroll Ave.. 1

Total number cleaned during month..... 47

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Totals.

April	113
May	110
June	147
July	139
August	154
September	124
October	139
November	128
December	47
Total number cleaned	1,092

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STREET AND HIGHWAY DEPARTMENT.

Forage consumed at City Stable during the Municipal year of 1907

Eleven Horses.

	Jan lbs.	Feb lbs.	Mch lbs.	Apr lbs.	May lbs.	June lbs.	July lbs.	Aug. lbs.	Sept lbs.	Oct lbs.	Nov lbs.	Dec lbs.	Total lbs.	Total tons	Total bush.	Aver cost	Total cost
Hay	8,700	4,680	6,535	9,502	6,401	10,580	6,578	4,470	8,520	7,620	6,999	7,542	88,127	44-127		25.5070	$1,123.95
Oats	6,478	3,190	3,118	6,345	4,800	4,800	4,932	4,944	3,280	3,295	4,695	3,970	53,847		1682-23	.5973	1,005.18
Straw	643	192	568	615	390	640	640	440	845	595	750	410	6,728	3-728		20.0000	67.03
Bran	100	100	200	200	100		100	100	100	100		200	1,300			.0142	18.45
Salt			30		30		30		30	55		30	205			.0200	4.10
Oil Meal					100				100				200			.0225	4.50
																	$2,223 21

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INVENTORY OF PROPERTY BELONGING TO THE HIGHWAY DEPARTMENT.

Office.

1	Victor safe	$180.00	
1	iron safe (City Yard Office, Long Wharf)	25.00	
1	iron safe (loaned to License Commissioners)	140.00	
	Furniture, clock, stoves, desk, copypress, etc.	55.00	
1	engineer's transit	250.00	
1	set engineer's drafting instruments	5.50	
1	plummet lamp	5.00	
1	exploding battery	25.00	
1	engineer's level and rod	50.00	
			$736.50

Wharf and Stable.

1	Fairbanks scale	$50.00
10	horses	1,800.00
3	stone wagons	350.00
4	dump carts	80.00
2	two-horse steel dump carts	365.00
1	two-horse steel dump cart (old)	25.00
3	one-horse steel dump carts	450.00
1	double gear	75.00
1	single gear	50.00
1	express wagon	120.00
1	street sweeper	50.00
1	two-horse roller	200.00
13	one-horse watering carts	2,275.00
9	two-horse watering carts	2,700.00
4	sets double harness	200.00
4	sets cart harness	20.00
4	sets single wagon harness	20.00
12	waterproof covers	9.00
15	woolen blankets	15.00
10	Baker blankets	10.00
9	stable forks	4.50
2	wagon jacks	1.00
1	carriage jack	50
3	steam road rollers	9,000.00
2	stone trucks	20.00
2	patrol wagons	4.00
6	iron wheelbarrows	42.00
2	wooden wheelbarrows	3.00
2	lawn mowers	5.00
1	derrick, complete	150.00
1	controlling nozzle and pipe	10.00
6	spanner wrenches	2.50
9	hydrant wrenches	9.00
2	ship pumps and hose (50 ft.)	75.00
57	lanterns and globes	28.50
3	gravel screens	18.00
1	tree pruner	1.00
9	ice picks	2.25
1	cast iron stove	8.00
3	jack screws	6.00
1	asphalt pot	3.00
2	Barrett pots	2.00

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1	asphalt repair plant and tools, complete....	400.00
6	asphalt maddocks	6.00
3	3-inch augers	15.00
6	small augers	3.00
1	set bits	2.00
1	breast drill	2.00
4	crosscut saws	6.00
3	bit stocks	6.00
10	hand saws	5.00
1	wood saw	1.00
1	hack saw	1.50
4	straight edges	4.00
2	plows	15.00
2	stone axes	3.00
50	cutting tools	5.00
8	hand drills	4.00
26	iron bars	26.00
18	tampers	18.00
4	iron pounders	4.00
60	iron pins	15.00
600	pounds steel	51.50
8	striking hammers	12.00
21	sledges	31.50
2	anvils	10.00
6	paving pounders	5.00
8	picks	4.00
7	levels	3.50
6	trench braces	18.00
4	maddocks	2.00
3	iron rakes	2.25
6	scoop shovels	6.00
2	tape measures	1.00
1	steel tape measure	10.00
25	guard pins and ropes	5.00
2	manhole guards	5.00
1	hydrant valve	2.00
4	tool boxes	15.00
3	sets blocks and falls	15.00
6	9 Stilson wrenches	9.00
10	monkey wrenches	5.00
2	pair chain tongs	12.00
1	bolt cutter	50
3	bench vises	12.00
1	flush tank	30.00
2	24-inch manhole grates and rims.....	17.00
4	24-inch manhole covers and rims.....	37.00
4	light iron covers	4.00
3	heavy iron covers	6.00
82	long handle shovels	82.00
34	short handle shovels	34.00
1	stone roller	25.00
6	large axes	9.00
2	small axes	2.00
5	ox chains	5.00
6	spades	6.00
4	scythes and blades	6.00
3	squares	3.00
1	trowel	50

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2 smoothing trowels	1.50	
1 pair trimming shears	1.50	
10 pails	1.00	
7 iron pails	7.00	
2 step ladders	2.00	
2 pair horse clippers	4.00	
2 jointers (granolithic tools)	2.00	
1 emery wheel	6.50	
7 pair rubber boots	35.00	
1 set wood chisels	11.10	
3 planes	6.25	
4 screw drivers	5.00	
1 set dies and taps	17.35	
1 bevel	1.50	
1 pipe cutter	1.50	
1 painter's torch	1.50	
2 sets stencils	3.35	
2 hatchets	1.00	
3 50 gallon oil cans	17.55	
2 funnels	50	
2 ½ gallon measures	1.00	
1 blacksmith portable forge	12.00	
1 pair snips	2.50	
3 nozzles	5.00	
1 set sewer cleaning rods and fittings	65.00	
150 feet ½-inch rubber hose	15.00	
1 soldering iron	1.50	
1 ratchet drill and 13 drills	14.00	
2 iron clamps	1.00	
1 drawing knife	1.00	
2 extension bits	1.25	
1 Norton jack (13 tons)	43.00	
1 extension ladder (30 feet)	7.00	
1 ladder (15 feet)	3.00	
1 upright self-feeding drill	29.10	
		$19,649.15

Settling Tank.

1 centrifugal pump and fittings	$500.00	
1 hoisting engine	300.00	
1 boiler	165.00	
		$965.00

Quarry.

2 crushers, engine and boiler	$4,500.00	
1 Fairbanks scales	175.00	
1 bellows	15.00	
2 vises	10.00	
1 anvil	7.00	
1 chain tackle	12.00	
1 crock	4.50	
1 Nickerson steam drill and fittings	296.00	
		$5,017.50

Ocean Avenue

1 steam boiler, pump and tanks	$500.00	500.00

Barney's Beach.

Pump, tank and windmill	$200.00	200.00

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Collins Beach.

1 steam pump, boiler and tank	$500.00	500.00

Long Wharf.

1 steam boiler, pump and tank	$300.00	300.00
		$27,868.15

STATEMENT OF CASH RECEIVED AND DEPOSITED WITH THE CITY TREASURER DURING THE MUNICIPAL YEAR OF 1907.

General Fund.

Wharfage	$118.94
Weighing	118.50
Permits	88.00
Street sweepings	305.25
Outstanding accounts	258.78
Miscellaneous	91.46
One horse	70.00
One grey mare	25.00
Deposited by Mr. Hamilton	1,176.15
	$2,252.08

Highway Department Fund.

Materials	115.89
Labor	$114.09
Use steam road roller	46.22
Use horse roller	3.00
Use pumps	71.00
Received from Touro Street Fund	542.65
Received from Park Commission	346.09
Donation for Dustoline	200.00
Applying Dustoline (J. K. S.)	27.63
Applying Dustoline (Hall & Lyon Co.)	50.00
	$1,516.57

RECEIPTS AND EXPENDITURES ON STREETS AND HIGHWAYS FOR THE MUNICIPAL YEAR OF 1907.

Receipts.

To appropriation	$3,700.00
To Appropriation	102,396.00
To cash received and deposited with the City Treasurer to the credit of the Highway Fund, as per above statement	1,516.57
To transfer of amount deposited with the City Treasurer to the credit of the General Fund from January 1 to November 1, 1907, as per resolution of the Representative Council, passed December 13, 1907	1,838.48
	$109,451.05

Disbursements.

By paid for labor	$86,098.34
By paid for materials	19,130.52
By balance unexpended	4,222.19
	$109,451.05

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SUMMARY OF EXPENDITURES ON STREETS AND HIGHWAYS FOR THE MUNICIPAL YEAR OF 1907.

	Labor.	Materials.	Total.
Cleaning streets	$15,468.57	$243.26	$15,711.83
Cleaning Thames Street	4,088.34	407.29	4,495.63
Cleaning Spring Street	1,623.95	37.15	1,661.10
Cleaning Broadway and Washington Square	1,299.87	57.49	1,357.36
Cleaning Long Wharf	835.36	40.04	875.40
Catch basins, clean, repair and build	2,688.38	735.22	3,423.60
Quarry and Crusher, crushed stone on hand at Quarry	1,761.68	493.73	2,255.41
Watering streets	9,686.11	944.78	10,630.89
Applying of Dustoline	77.79	1,800.57	1,878.36
Collection and disposal of city garbage	6,697.58	28.23	6,725.81
Measuring streets	61.75		61.75
General repairs to streets	2,980.25	1,109.88	4,090.13
General repairs to sidewalks	1,421.84	646.55	2,068.39
Removal of snow and ice	3,654.42	432.74	4,087.16
Thames St. repairs	272.45	670.89	943.34
Spring St. pavement repairs		33.75	33.75
Broadway repairs	87.80	49.93	137.73
Washington Sq. repairs	5.97	6.42	12.39
Bellevue Ave. repairs	452.73	192.49	645.22
Ocean Ave. repairs	143.73	62.75	206.48
Ridge Road repairs	53.29	18.41	71.70
Harrison Ave. repairs	144.86	50.58	195.44
Bateman Ave. repairs	393.42	62.48	455.90
Kay St. repairs	270.16	253.88	524.04
Kay St. Boulevard repairs	119.05	15.32	134.37
Pelham St. repairs, Spring to Bellevue Ave.	256.12	177.21	433.33
Malbone Road repairs, Bedlow Ave. north	361.30		361.30
Bath Road repairs, Bellevue Ave. to "Beach"	711.88	212.45	924.33
Ruggles Ave. repairs, "Kernochans" to Ochre Point Ave.	112.96	35.39	148.35
Congdon Ave. repairs	49.26	46.23	95.49
Broadway re-macadamize, Equality Park Place to Bliss Rd.	828.90	250.42	1,079.32
Bellevue Ave. re-macadamize, Perry to Bowery Sts.	388.71	143.75	532.46
Malbone Road re-macadamize, Broadway to Bedlow Ave.	1,089.92	318.04	1,407.96
Bull St. re-macadamize	420.95	205.93	626.88
Lake View Ave. re-macadamize, Bellevue Ave. to Ledge Rd.	217.42	57.93	163.66
Mary Street re-macadamize, Thames to Clarke	105.73	57.93	163.66
Anthony St. re-macadamize	132.68	41.23	173.91
Water Works Road re-macadamize	1,469.35	422.94	1,892.29
Lincoln St. re-macadamize	189.23	50.51	239.74
Friendship Pl. re-macadamize	160.67	47.80	208.47

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	Labor.	Materials.	Total.
High St. re-macadamize, Mary to Church Sts.....	139.76	43.12	182.88
Channing St. re-macadamize...	632.51	190.50	823.01
Dixon St. re-macadamize, Bellevue Ave. to Spring St.....	166.73	47.66	214.39
Barker's"	3.00	.79	3.79
Catherine St. re-macadamize, Rhode Island Ave. to Bellevue Ave.....	836.99	241.10	1,078.09
John St. re-macadamize.....	454.93	202.47	657.40
Bellevue Ave. Tarvia, Kay to Perry Sts.	383.19	804.19	1,187.38
Bull St. Tarvia.....	81.58	181.40	262.98
Old Beach Rd. Hill Tarvia.....	39.41	61.76	101.17
Bellevue Ave. re-set curb.....	496.27	13.57	509.84
Kay St. re-set curb.....	16.40	1.35	17.75
DeBlois St. re-set curb.....	9.75		9.75
Elm St. re-set curb, south side, Second to Washington Sts...	85.75	16.47	102.22
Rhode Island Ave. re-set curb, east side, opp. Francis St....	16.82	4.57	21.39
Broadway re-set curb, east side, between Rhode Island Ave. and Cranston St.	8.57	1.62	10.19
Division St. re-set curb.....	182.20	33.61	215.81
Thames St. re-set curb, opp. Wellington Ave.	12.37	2.57	14.94
Broadway re-set curb (Taggart Estate)	51.43	14.07	65.50
Barney St. re-set curb.....	128.23	24.03	152.26
Broadway re-set curb, east side, Powel Ave. south.....	65.61	17.11	82.72
John St. relay gutter and re-set curb	366.42	65.80	432.22
Old Beach Road, re-set curb...	42.94	6.20	49.14
Bull St., relay gutter.....	61.37	6.99	68.36
Farewell St., re-set curb, etc. (Covell Estate)	18.75	1.25	20.00
Bull St., re-set curb.....	64.68	6.99	71.67
Channing St., re-set curb.....	109.88	21.39	131.27
Bellevue Ave., curb, west side, from Newport Reading Room south	64.13	5.42	69.55
Barney St., corner Whitfield Court, curb	20.00	4.99	24.99
Levin St., re-set curb.....	94.42	4.06	98.48
Catherine St., re-set curb, etc..	59.48	2.76	62.24
Washington, cor. Elm St., re-set curb	6.33	1.86	8.19
Narragansett, corner Bellevue Ave., re-set curb.....	16.24	4.27	20.51
Mary St., driveway at "Franklin's Bakery"	10.45	2.03	12.48
Spring St., driveway at "R. R. Barker's"	3.00	.79	3.79
Slocum St., driveway at East Bowery St.	17.60	2.67	20.27

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	Labor.	Materials.	Total.
Freebody St., driveway at East Bowery St.	21.26	6.39	27.65
Record St., driveways	37.25	4.07	41.32
Broadway, driveway at "City Asylum"	33.75	7.36	41.11
Relaying crossings	3,163.46	1,172.93	4,336.39
Relaying gutters	962.14	101.77	1,063.91
Freebody St., west side, gutter and culvert	167.90	16.80	184.70
Ellwood Place and Friendship St., curb and crossing	36.31	10.60	46.91
Washington Sq., crossing at Thames St.	73.94	151.59	225.53
Long Wharf, driveway at "Hook & Ladder Co."	13.19	1.93	15.12
Green Place and Spring St., driveway, close driveways and repair sidewalk	41.41	10.68	52.09
West Marlborough St., crossing at Railroad station	63.02	15.15	78.17
Prescott Hall, driveway at Hall Ave.	10.91	2.27	13.18
Birchbend Place, driveway at Mary St.	7.51	2.81	10.32
Horgan Place, driveway at Mary St.	14.88	1.37	16.25
Mann Ave., replace curb in driveway	21.02	2.81	23.83
Touro St., repair roadbed, repair gutters, relay crossings, etc.	318.99	223.66	542.65
Charged to abutters	173.76	67.75	241.51
Elm St., crossing at Railroad		40.19	40.19
Briggs Wharf, repairing wharf wall	332.00	137.85	469.85
Collins' Beach Watering Station	87.63	158.41	246.04
Easton's Beach, cleaning roadbed, cutting grass plot, repairing seawall, sidewalk, and repair and paint fence	414.17	47.81	461.98
Forty Steps, repair	6.75	7.16	13.91
Heath Court, building barricade, filling cellar, etc	13.16	8.46	21.62
Building shed and fence at City Wharf		165.00	165.00
Roller House, building chimney	13.75	11.22	24.97
Steam drill and fittings for City Quarry	1.50	294.45	295.95
Purchase of two horses		500.00	500.00
Long Wharf, painting fence	4.50		4.50
Long Wharf floats, hauling and setting pile	6.00		6.00
Trimming and removal of trees	138.12	12.87	150.99
Cleaning main sewers	2,[illegible]	92.13	2,245.44
Repairing sewers and culverts	323.19	67.02	390.21
Cleaning settling tank	2.90	1.35	4.25

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	Labor.	Materials.	Total.
Van Zandt Ave., sewer extension	24.01	52.52	76.53
Cherry St., repairing seawall	55.71	16.08	71.79
Chestnut St., repairing seawall	9.98	.67	10.65
Burial Ground, furnishing crushed stone	8.19	3.45	11.64
Repairing fountains	65.17	36.06	101.23
Rolling lawn in front of City Hall	2.00		2.00
Ann and Elm St. Pier, repairs	17.38	302.27	319.65
Applying Westrumite	4.61	1.35	5.96
Street signs		1.75	1.75
Kinsley's Wharf, repairing plank walk	2.50	3.51	6.01
Van Zandt Ave. bridge, repairs	126.45	22.69	149.14
King Park, building catchbasin	80.45	7.98	88.43
Easton's Beach Bridge, repairs	3.12	2.79	5.91
Ocean Ave., near Graves Point, building temporary fence to protect public travel	17.52	4.42	21.94
King Park, filling pier	173.75	21.87	195.62
King Park Pier, repairs	118.55	31.92	150.47
Office	1,058.47	111.45	1,169.92
City Wharf	674.68	154.54	829.22
Materials on hand		333.96	333.96
Miscellaneous		216.31	216.31
Main sewer outlet, repairs	2,399.62	937.96	3,337.58
Pelham St. Sewer, Spring St., east	516.49	324.33	840.82
Clinton St., sewer extension	290.89	237.86	528.75
Dredging harbor	4,681.07		4,681.07
	$86,098.34	$19,130.52	$105,228.86

DETAIL OF EXPENDITURES ON STREETS AND HIGHWAYS FOR THE MUNICIPAL YEAR OF 1907.

January.

1.	Alex N. Barker & Co., cement, etc.	$10.41
2.	Chas. S. Goddard, repairs to watering carts	4.25
3.	Perrin, Seamans & Co., handles	5.49
4.	Geo. A. Weaver Co., scoop	1.35
5.	Daniel Beard, shoeing	3.82
6.	Geo. W. Callahan, shoeing	4.25
7.	Peter F. Clark & Co., shoeing	7.00
8.	John E. Leddy, shoeing	3.50
9.	Shreenan & Sullivan, shoeing	5.63
10.	Dennis Shanahan, forage	66.39
11.	Henry H. Lawton, stable supplies	5.00
12.	O. R. Braman, repairing harness	1.46
13.	G. H. Bloom, repairing watering cart	6.80
14.	Municipal Journal, subscription	3.00
15.	Wm. B. Scott & Co., supplies	1.10
16.	Patrick H. Welch, garbage	48.00
17.	James J. Dugan, garbage	324.52
18.	Wm. K. Covell, supplies	1.99
19.	Ralph R. Barker, glass and putty	.25

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20.	Wm. A. Maher, repairing watering cart	4.00
21.	D. J. Sullivan & Co., fuel	19.04
22.	G. F. King, labor at dump	54.00
23.	S. G. Payne, labor at dump	54.00
24.	H. L. Marsh & Co., forage	140.81
25.	J. B. Bacheller, repairing watering cart	11.95
	Pay roll	1,573.11
		$2,361.12

February.

26.	Taylor Iron & Steel Co., steel concaves, etc	$185.00
27.	Dr. F. de M. Bertram, vet. services	7.00
28.	The Milne Printery, garbage regulations	17.00
29.	Patrick H. Welch, garbage	5.33
30.	James J. Dugan, garbage	396.63
31.	Geo. T. King, labor at dump	48.00
32.	Edward Warren, labor at dump	48.00
33.	Ward Printing Co., printing	12.75
34.	Chas. E. Spooner, forage	110.27
35.	The Congdon & Carpenter Co	9.37
36.	Wm. F. Gratrix, repairing harness	1.90
37.	Newport Coal Co., fuel	20.65
38.	George H. Carr, supplies	2.70
39.	Remington Ward, printing	13.50
40.	M. F. Shea, cart repairs	42.50
41.	G. H. Bloom, cart repairs	7.50
42.	Chas. S. Goddard, sharpening tools, etc	3.25
43.	Alex N. Barker & Co., joist, etc	3.94
44.	Wm. B. Scott & Co., supplies	.55
45.	Wm. H. Langley, building shed, City Yard, contract	165.00
46.	U. S. Cast Iron Pipe & Foundry Co., iron pipe	541.37
47.	N. Y., N. H. & H. R. R. Co., freight	20.65
48.	J. B. Bacheller, repairing watering carts	6.82
49.	J. B. F. Smith & Co., red and white lead	3.75
50.	Wm. P. Clarke, ink	.75
51.	Freights	.95
52	J. Stacy Brown, stone	3.81
53	Newport Gas Light Co., gas	1.21
	Pay roll	2,643.09
		$6,684.35

March.

54	J. L. & H. K. Potter, watering cart supplies	$8.82
55	Farrel Foundry and Machine Co., bucket bolts	10.00
56	Combined Tool Co., copyholder	3.00
57	Buffalo Steam Roller Co., grate bars, etc.	18.55
58	Geo. B. Smith, repairing chair	.50
59	George A. Weaver Co., tine fork, etc.	1.36
60	J. D. Johnston, milling	.94
61	James J. Dugan, garbage	405.65
62	George T. King, labor at dump	52.00
63	S. G. Payne, labor at dump	52.00
64	Chas. S. Goddard, sharpening picks	3.75
65	Alex N. Barker & Co., lumber, etc.	17.27
66	Newport Foundry & Machine Corp., labor and supplies	42.86
67	McKiernan Drill Co., steam drill, etc.	256.77

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68	Chas. E. Spooner Co., forage	141.08
69	Ralph R. Barker, varnish, etc.	5.30
70	Shreenan & Sullivan, shoeing	5.50
71	John E. Leddy, shoeing	3.50
72	George W. Callahan, shoeing	4.00
73	Daniel Beard, shoeing	4.82
74	P. F. Clark & Co., shoeing	4.50
75	George W. Ritchie, repairing saddle, etc.	2.75
76	Wright Bros., oil and paint	6.00
77	John O. Kettell, horses	500.00
78	George H. Carr, supplies	2.35
79	H. L. DeBlois, hoes	5.50
80	J. M. K. Southwick, line	1.20
81	Newport Coal Co., fuel	22.25
82	J. L. Ramlose, repairing rubber boots	4.60
83	Wm. B. Sherman, Jr., cotton	1.40
84	Wm. B. Scott & Co., supplies	2.73
85	H. H. Lawton, stable supplies	14.50
86	J. J. Connell, kerosene	7.50
87	Henry Biesel & Son, repairing girth, etc.	.75
88	Express	5.50
89	W. F. Gratrix, repairing harness	2.87
	Pay roll	2,246.70
		$10,553.12

April.

90	J. D. Johnston, gaskets, etc.	$81.09
91	Newport Foundry & Machine Corp., retubing boiler	98.25
92	Remington Ward, printing	3.00
93	Fuller Iron Works	58.50
94	Waters Governor Co., gear and disk	2.70
95	George A. Weaver Co., axe handles	1.90
96	Ward Printing Co., printing	3.50
97	Chas. E. Spooner, forage	60.52
98	J. H. Shea, filing horses' teeth	16.50
99	G. H. Bloom, repairing watering carts	4.35
100	Manhattan Rubber Mfg. Co., belting	158.00
101	Simon Hart, office supplies	4.55
102	H. H. Lawton, stable supplies	15.35
103	W. F. Gratrix, repairing harness, etc.	2.52
104	Downing Bros., vet. prescription, etc.	3.45
105	The Peckham Co., oils	65.03
106	George Stanhope, salt	1.16
107	Daniel Beard, shoeing	4.82
108	Newport Foundry & Machine Corp., supplies	5.51
109	Alex. J. Fludder, pipe	360.60
110	James J. Dugan, garbage	405.65
111	S. G. Payne, labor at dump	52.00
112	George T. King, labor at dump	52.00
113	Joseph Haire, fountain repairs	33.94
114	J. J. Connell, kerosene and testing scale	18.00
115	Providence Telephone Company, rent telephone	44.00
116	N. Y., N. H. & H. R. R. Co., freight	25.00
117	Philip F. Conroy, labor and supplies	36.02
118	Newport Coal Co., fuel	263.95
119	Hudson River Blue Stone Co., crossing stone	1,116.90
120	Alex N. Barker & Co., Portland cement, lumber, etc.	26.25
121	J. M. K. Southwick, dynamite, rope, etc.	60.31

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122	Dennis Shanahan, forage	173.40
123	George W. Callahan, shoeing	6.25
124	P. F. Clark & Co., shoeing	4.50
125	Shreenan & Sullivan, shoeing	5.76
126	John E. Leddy, shoeing	7.00
127	George W. Ritchie, repairing saddle	1.50
128	O. R. Braman, repairing harness	2.41
129	J. B. Bacheller, repairing express wagon	10.54
130	M. F. Shea, repairing railings; fountains, etc.	31.61
131	J. B. F. Smith & Co., oil	3.70
132	Wm. B. Scott & Co., supplies	6.03
133	Chas. S. Goddard, sharpening tools, etc.	2.00
134	Barker Bros. & Co., pipe	9.84
135	Henry Biesel & Son, stable supplies	3.50
136	Perrin, Seamans & Co., supplies	9.73
137	Freights	13.68
138	John H. Sullivan, cartage crushed stone	172.73
139	J. Stacy Brown, stone	72.53
140	C. Oscar Schultz, rolling lawn, City Hall	2.00
141	New England Navigation Co., gaskets	2.40
142	Perrin, Seamans & Co., bolts	51.66
143	Dr. F. de M. Bertram, vet. services	7.00
	Pay roll	6,686.19
		$20,924.47

May.

144	The Consolidated Railway Co., bolts, etc.	$85.83
145	Perrin, Seamans & Co., washers	4.13
146	P. Reynolds, trimming trees	12.00
147	Remington Typewriter Co., carbon paper	3.00
148	Ward Printing Co., printing	11.85
149	D. F. Cooney & Co., tubes	15.97
150	George A. Weaver Co., supplies	9.35
151	Herald Publishing Co., advertising	4.20
152	Providence Telephone Co., long distance	2.00
153	Alex J. Fludder, pipe, etc.	88.20
154	Remington Ward printing	7.00
155	James J. Dugan, garbage	405.25
156	S. G. Payne, labor at dump	44.00
157	G. T. King, labor at dump	54.00
158	Cornelius Harrington, labor at dump	46.00
159	Thos. H. Reagan, building pump house, Collins Beach	148.50
160	J. J. Connell, kerosene	15.00
161	H. L. DeWois, hoes	11.00
162	Clark H. Burdick & Co., rubber boots	5.50
163	Peter F. Clark & Co., shoeing	9.00
164	John E. Leddy, shoeing	4.30
165	Daniel Beard, shoeing	4.82
166	Shreenan & Sullivan, shoeing	8.20
167	George W. Callahan, shoeing	3.75
168	Dennis Shanahan, forage	173.38
169	George W. Ritchie, stable supplies	4.25
170	W. F. Grattix, repairing harness	2.10
171	Downing Bros., vet. prescription, etc.	1.55
172	Wm. B. Scott & Co., supplies	8.18
173	Alex N. Barker & Co., cement, lumber, etc.	114.46
174	The Peckham Co., oil	8.16

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175	J. M. K. Southwick, dynamite, etc.	66.65
176	Chas. S. Goddard, sharpening tools, etc.	2.40
177	Newport Gas Light Co., iron pipe	50.00
178	Newport Coal Co., fuel	328.13
179	Newport Foundry & Machine Corp., labor and supplies	44.57
180	N. Y., N. H. & H. R. R. Co., freights	44.62
181	New England Navigation Co., freight	.27
182	George H. Carr, time books	2.29
183	Express	1.92
184	John H. Sullivan, cartage crushed stone	343.09
185	J. Stacy Brown, stone	98.50
186	N. Y., N. H. & H. R. R. Co., freights	34.78
187	J. K. Sullivan, Briggs Wharf Wall, spindle, Ann and Elm Street piers	775.50
	Pay roll	7,010.69
		$31,043.33

June.

188	Clinton Point Stone Co., trap rock	$1,919.00
189	Daniel Sullivan, discharging trap rock	272.70
190	N. Y., N. H. & H. R. R. Co., freight	25.00
191	Frank E. Fitts Mfg. & Supply Co., belt lace	7.88
192	C. E. Kimball & Son, gears	4.00
193	Hudson River Blue Stone Co., crossing stone	320.80
194	Joshua Baker, waste	47.94
195	Providence Telephone Co., toll calls	3.30
196	A. P. Jennings, oil suits	44.75
197	Frank Levitre, sand	9.60
198	Newport Paper & Grocery Co., toilet paper	1.68
199	John F. Warth & Brother, brooms	84.00
200	G. H. Burnham, labor and supplies	20.64
201	Joseph Haire, fountain	12.15
202	Jas. J. Dugan, garbage	405.65
203	George T. King, labor at dump	50.00
204	Cornelius Harrington, labor at dump	50.00
205	Alex J. Fludder, sewer pipe	57.20
206	The Consolidated Railway Co., bolts, etc.	9.27
207	George A. Weaver Co., supplies	7.10
208	Barker Bros. Co., valves, pipe, etc.	3.56
209	H. L. DeBlois, hoes	11.00
210	Buffalo Steam Roller Co., oil	15.00
211	Taylor Iron & Steel Co., concaves	105.50
212	John S. Lamson Jr., Dustoline	540.73
213	N. Y., N. H. & H. R. R. Co., freight	5.36
214	National Coal Tar Co., Tarvia	404.20
215	J. J. Connell, kerosene	15.00
216	Wm. B. Scott & Co., grease	2.15
217	J. M. K. Southwick, dynamite, etc.	73.75
218	Alex N. Barker & Co., cement, lumber, etc.	36.81
219	Newport Coal Co., fuel	297.48
220	The T. A. Scott Co., relaying Main Sewer, contract,	2,082.37
221	Chas. S. Goddard, repairing watering cart, etc.	3.85
222	Newport Gas Light Co., pipe	2.50
223	Ralph R. Barker, paint, etc.	7.12
224	Jas. H. Hart, labor and supplies	9.95

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225	Newport Foundry & Machine Corp., labor and supplies	4.00
226	The Peckham Co., oils	50.25
227	J. B. Bacheller, repairing water tank	24.00
228	James J. Dugan, gravel	232.39
229	Peter F. Clarke & Co., shoeing	5.00
230	Daniel Beard, shoeing	9.64
231	George W. Callahan, shoeing	3.76
232	Shreenan & Sullivan, shoeing	10.14
233	George W. Ritchie, sheet	3.50
234	W. F. Gratrix, repairing harness	1.77
235	O. R. Braman, repairing harness	.90
236	Henry Biesel & Son, stable supplies	6.05
237	Express	1.40
238	John H. Sullivan, cartage crushed stone	434.55
239	J. Stacy Brown, stone	109.45
240	Dennis Shanahan, forage	230.94
241	J. S. Packard Dredging Co., dredging	2,477.98
242	Newport Coal Co., fuel	13.60
	Pay roll	8,282.82
		$49,914.46

July.

243	J. S. Packard Dredging Co., dredging	$2,126.84
244	Fuller Iron Works, rings and covers	58.50
245	Frank E. Fitts Mfg. & Supply Co., belt lace, etc.	9.23
246	Providence Telephone Co., telephone	22.00
247	Buffalo Steam Roller Co., grate bar rests	3.00
248	Warren Bros. Co., repairing bitulithic pavement	48.38
249	Sampson & Murdock Co., directory	2.00
250	McKiernan Drill Co., bolts and nuts	2.40
251	National Mfg. Co., moistener	1.20
252	Frank Levitre, sand	9.60
253	H. L. Marsh & Co., bags	1.50
254	J. S. Ramlose, repairing rubber boots	3.50
255	Western Union Telegraph Co., telegraph	[illegible]
256	The New England Steamship Co., labor and supplies	94.77
257	Ward Printing Co., printing	4.00
258	Alex J. Fludder, sewer pipe	80.61
259	George A. Weaver Co., manger, etc	1.80
260	H. L. DeBlois, hoes	11.00
261	Newport Foundry & Machine Corp., labor and supplies	6.10
262	James J. Dugan, garbage	485.65
263	Geo. T. King, labor at dump	54.00
264	Cornelius Harrington, labor at dump	54.00
265	Daniel Beard, shoeing	5.32
266	Jas. H. Hart, smokestack, etc	25.40
267	J. J. Connell, kerosene	15.00
268	Congdon & Carpenter Co., zinc	9.60
269	Wm. B. Scott & Co., weed killer, etc	6.55
270	Newport Gas Light Co., pipe	13.30
271	Freights	3.89
272	George H. Carr, office supplies	1.73
273	James J. Dugan, gravel	79.91
274	Taylor Iron & Steel Co. gears, etc	25.80
275	J. G. Stevens, forage	192.89

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276	Simon Hart, office supplies	3.00
277	J. B. F. Smith & Co., sign	1.75
278	Ralph R. Barker, oil, etc	3.79
279	George W. Ritchie, repairing harness, etc	3.50
280	Henry Biesel & Son, relining collar, etc	2.90
281	Peter F. Clark & Co., shoeing	5.10
282	John E. Leddy, shoeing	4.30
283	George W. Callahan, shoeing	5.64
284	Alex N. Barker & Co., lumber, cement, etc	66.26
285	Newport Coal Co., fuel	368.36
286	J. M. K. Southwick, dynamite, etc	53.25
287	Chas. S. Goddard, repairing watering cart, etc	15.70
288	The Peckham Co., oils	55.55
289	M. F. Shea, repairing watering carts, etc	12.00
290	Wm. A. Maher, neckyoke, etc	2.00
291	O. R. Braman, stable supplies	3.00
292	H. H. Lawton, soap, etc	11.75
293	Wm. F. Gratrix, straps, etc	8.50
294	Shreenan & Sullivan, shoeing	10.14
295	John H. Sullivan, cartage crushed stone	459.13
296	J. Stacy Brown, stone	117.71
297	N. Y., N. H. & H. R. R. Co., freight	77.52
298	John S. Lamson, Jr., Dustoline	594.09
299	G. H. Burnham, labor and supplies	34.85
300	J. D. Johnston, pounders	3.00
	Pay roll	10,705.82
		$65,923.10

August.

301	John S. Lamson, Jr., Dustoline	$572.17
302	Taylor Iron & Steel Co., gear	21.00
303	George A. Weaver Co., galvanized pail, etc	1.15
304	Frank E. Fitts Mfg. & Supply Co., belt dressing	15.00
305	Western Union Telegraph Co., telegraph	.55
306	Providence Telephone Co., toll calls	1.15
307	J. J. Dugan, garbage	405.65
308	George T. King, labor at dump	54.00
309	Cornelius Harrington, labor at dump	54.00
310	J. B. Bacheller, repairing water tank, etc	22.70
311	Barker Bros Co., repairs at watering stations	53.50
312	Chas. S. Goddard, sharpening tools, rep. carts, etc	10.35
313	J. G. Stevens, forage	174.89
314	Alex N. Barker & Co., lumber, cement, etc	47.83
315	Newport Coal Co., fuel	288.68
316	J. M. K. Southwick, dynamite, etc	63.50
317	Wm. A. Maher, pole, etc	7.45
318	Wm. B. Scott & Co., grease, etc	2.95
319	P. F. Clark & Co., shoeing	5.10
320	George W. Callahan, shoeing	4.75
321	John E. Leddy, shoeing	9.64
322	Shreenan & Sullivan, shoeing	4.00
323	Daniel Beard, shoeing	4.82
324	W. F. Fratix, comb	.50
325	George W. Ritchie, repairing harness	3.25
326	O. R. Braman, harness soap	.50
327	John H. Sullivan, cartage crushed stone	398.57
328	J. Stacy Brown, stone	124.52

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329	McKiernan Drill Co., valve, etc.	6.00
330	George H. Carr, office supplies	1.65
331	A. R. O'Hanley, oatmeal	4.50
332	Express	1.80
333	The Peckham Co., oil	8.33
334	J. J. Dugan, gravel	93.98
335	Farrell Foundry & Machine Co., bolts	5.50
336	N. Y., N. H. & H. R. R. Co., freight	3.70
337	J. J. Connell, kerosene	7.50
	Pay roll	8,202.55
		$76,610.78

September.

338	New England Steamship Co., repairs to steam roller	$2.88
339	Ralph R. Barker, turpentine	.80
340	H. L. DeBlois, hoes	11.00
341	Josep Haire, dippers	.40
342	J. D. Johnston, lumber	.25
343	Remington Ward, printing	15.00
344	Ward Printing Co., printing	4.50
345	J. J. Dugan, garbage	405.65
346	George T. King, labor at dump	50.00
347	Cornelius Harrington, labor at dump	50.00
348	Alex N. Barker & Co., lumber, cement, etc.	50.11
349	Newport Foundry & Machine Corp., babbitt	6.25
350	Newport Coal Co., fuel	219.48
351	J. G. Stevens, forage	205.68
352	George A. Weaver Co., pails, etc.	.65
353	J. J. Connell, kerosene	22.50
354	Alex J. Fludder, sewer pipe	1.58
355	Downing Bros., vet. prescription, etc.	3.75
356	George W. Callahan, shoeing	4.76
357	Shreenan & Sullivan, shoeing	4.00
358	John E. Leddy, shoeing	11.26
359	Daniel Beard, shoeing	4.82
360	Chas. S. Goddard, repairing watering cart, etc.	11.55
361	O. R. Braman, repairing harness, etc.	13.55
362	Wm. R. Scott & Co., axle grease, etc.	2.33
363	Henry Biesel & Son, sponge, etc.	1.80
364	George Stanhope, soap	4.15
365	P. F. Clark & Co., shoeing	4.50
366	The Peckham Co., oils	40.66
367	M. F. Shea, wheel sharpening tools, etc.	8.27
368	J. M. K. Southwick, dynamite, etc.	24.20
369	Jacob Mohr, sharpening tools	6.62
370	Frank Levine, sand	16.00
371	James J. Dugan, gravel	56.89
372	John H. Sullivan, carriage crushed stone	331.00
373	J. Stacy Brown, store	84.50
374	[illegible] Lawson, stable supplies	6.10
375	Express	.65
	Pay roll	6,656.07
		$84,954.94

October.

376	Parker Iron & Steel Co., steel screen segments	$144.00
377	John F. Ward & Brother, brooms	42.00

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378	Buffalo Steam Roller Co., grate bar rests	3.00
379	Wm. K. Covell, supplies	2.25
380	Newport Paper & Grocery Co., toilet paper	2.00
381	A. & H. G. Hammett, lumber	9.78
382	Wm. B. Sherman, Jr., cheese cloth	.25
383	Newport Water Works, pipe, etc	16.54
384	Providence Telephone Co., telephone	23.57
385	Dr. F. de M. Bertram, vet. services	5.00
386	Newport Foundry & Machine Corp., oil	6.00
387	Kirwin Brothers, blocks	4.20
388	A. R. O'Hanley, oatmeal	2.50
389	Jeremiah Riley, clearing fountain	10.00
390	James J. Dugan, garbage	405.65
391	George F. King, labor at dump	54.00
392	Cornelius Harrington, labor at dump	54.00
393	Wm. B. Scott & Co., stable pails, etc	3.75
394	H. L. Marsh & Co., forage	175.89
395	The Peckham Co., oil	8.84
396	C. A. Manchester, oatmeal	7.00
397	John J. Connell, kerosene	7.50
398	Daniel Beard, shoeing	4.82
399	Newport Ship Yard, driving piles	30.00
400	George H. Carr, time books	1.25
401	City Sealer, testing wagon sealer	1.50
402	James J. Dugan, gravel	157.42
403	Chas. S. Goddard, sharpening tools, etc	7.65
404	Simon Hart, office supplies	7.08
405	Augustus Goffe & Son, oil suits	1.75
406	Newport Coal Co., fuel	301.09
407	Alex N. Barker & Co., lumber, cement, etc	69.57
408	J. M. K. Southwick, dynamite, etc	63.50
409	John E. Leddy, shoeing	8.51
410	P. F. Clark & Co., shoeing	5.75
411	George W. Callahan, shoeing	6.96
412	Shreenan & Sullivan, shoeing	4.00
413	O. R. Braman, repairing harness, etc	4.45
414	W. F. Gratrix, stable supplies	3.75
415	Henry Biesel & Son, stable supplies	1.75
416	George W. Ritchie, brush, etc	1.25
417	Freights	3.28
418	John H. Sullivan, cartage crushed stone	418.65
419	J. Stacy Brown, stone	112.62
	Pay roll	8,432.51
		$95,591.77

November.

420	Alex J. Fludder, pipe, etc	$8.20
421	M. Brotherson, filing saws	4.30
422	George A. Weaver Co., screws and handles	.80
423	James J. Dugan, garbage	405.65
424	George T. King, labor at dump	52.00
425	Cornelius Harrington, labor at dump	52.00
426	John H. Sullivan, cartage trap rock	102.31
427	J. Stacy Brown, stone	21.65
428	H. L. Marsh & Co., forage	191.61
429	Newport Coal Co., fuel	112.60
430	George H. Carr, office supplies	2.50

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431	Ralph R. Barker, supplies	5.42
432	Alex N. Barker & Co., lumber, cement, etc.	82.17
433	Wm. B. Scott & Co., supplies	3.67
434	Chas. S. Goddard, sharpening tools, etc	2.60
435	John E. Leddy, shoeing	7.38
436	P. F. Clark & Co., shoeing	4.50
437	Shreenan & Sullivan, shoeing	4.50
438	George W. Callahan, shoeing	3.00
439	Jacob Mohr, sharpening tools, etc	1.62
440	M. F. Shea, sharpening tools, etc	12.55
441	Jas. H. Hart, pipe, etc	3.35
442	H. H. Lawton, stable supplies	4.40
443	George W. Ritchie, repairing traces	1.25
444	James J. Dugan, gravel	62.57
445	J. M. K. Southwick, dynamite, etc	2.86
446	G. H. Burnham, labor and supplies	4.76
447	Daniel Beard, shoeing	4.82
	Pay roll	5,321.06

December.

		$102,077.49
448	James J. Dugan, garbage	$657.11
449	George F. King, labor at dump	52.00
450	Cornelius Harrington	52.00
451	J. J. Connell, kerosene	7.50
452	D. J. Sullivan, weighing gravel	2.00
453	Wm. K. Covell, lantern	2.25
454	Alex J. Fludder, pipe	6.40
455	Newport Gas Light Co., gas	.22
456	John E. Leddy, shoeing	4.00
457	Daniel Beard, shoeing	4.82
458	Simon Hart, office supplies	2.10
459	H. H. Lawton, harness repairs	17.50
460	George W. Callahan, shoeing	5.00
461	P. F. Clark & Co., shoeing	4.50
462	Shreenan & Sullivan, shoeing	4.50
463	W. F. Gratrix, pad, etc	2.75
464	Alex N. Barker & Co., lumber, cement, etc	35.57
465	Wm. B. Scott & Co., plow, etc	14.45
466	J. Irving Shepley, iron pipe	1.05
467	Newport Coal Company, fuel	13.60
468	H. L. Marsh & Co., forage	185.46
469	J. K. Sullivan, hauling and driving pile	6.00
470	James J. Dugan, gravel	24.30
471	M. F. Shea, cart shaft, etc	6.00
472	J. Stacy Brown, stone	19.06
	Pay roll	2,021.23
		$105,228.86

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Annual Report
of the
Street Commissioner

OF THE

CITY OF NEWPORT
RHODE ISLAND
1908

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Annual Report

OF THE

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CITY OF NEWPORT

1908

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Annual Report of Street Commissioner.

Newport, R. I., December 28th, 1908.

To the Honorable Representative Council of the City of Newport:—

Gentlemen:—I have the honor of submitting the following report of the operations of the Department of Streets and Highways for the municipal year of 1908:

STATISTICS.

This office has carefully prepared and revised the following statistics from the records of the department, viz.:

Streets.	Mileage.
Granite block pavement	1.69
Bitulithic and Granite block pavement	1.56
Telford macadam	15.35
Macadam	41.95
Macadam and granite block	.51
Cobble	.09
Dirt	29.52
Total	90.67

Sidewalks.	Mileage.
Granolithic	16.657
Granolithic and dirt	.705
Flagstone	2.598
Flagstone and cobble	.145
Flagstone and dirt	1.428
Brick	2.898
Asphalt	.644
Asphalt block	.485
Plank	.313
Dirt	88.334
Total	114.207

Gutters.	
Granite culls	15.81
Cobble	36.44
Flagstone and cobble	.92
Total	53.17

Curb.	Mileage.
Bluestone	40.788
Granite	13.752
Granolithic	1.853
Total	56.393

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Sewers.	Mileage.
Vitrified pipe	35.545
Cast iron pipe	.599
Circular brick	4.727
Brick	1.449
Stone	.516
Tunnel	.388
Cement pipe	.104
Total	43.328
Total number of Catch basins	444
Total number of Eye-holes	139
Total	583

CITY WHARF.

During the year various repairs have been made to the stable and the other buildings situated on the City Wharf at an expense of four hundred and twenty-eight 16-100 ($428.16) dollars. The roller house floors have been concreted at a cost of one hundred and ninety-four 75-100 ($194.75) dollars.

The contract for making repairs to the piling and caplogs of the wharf was awarded by the Board of Aldermen to the lowest bidder, Mr. J. K. Sullivan, for the sum of one thousand and sixty-nine ($1,069.00) dollars. The work was performed under the supervision of Alderman Hudson B. Kingman.

HORSES AND CARTS.

One horse of the "pair of blacks" became so lame and unfit for use that the department was obliged to purchase another horse to take its place, paying for the same the sum of two hundred and ten ($210.00) dollars including the lame horse in trade.

The Chief of the Fire Department has kindly loaned to this department, a horse for his "keep," so that we were not obliged to purchase a horse this year for general work and emergency purposes, which was the intention of this department when the appropriations were adjusted.

The carts are in fairly good condition, and they will be repaired and painted up by the permanent employees of the department during the winter months, and be in good condition for the spring work.

CLEANING STREETS.

The street cleaning part of the department is divided into various sections; sections number one and number two cover the most thickly inhabited part of the city, other than the permanent pavements, and they each swept this year an average of about 28 miles in length or an area of about 373,477.24 square yards per month. Sections number three and number four cover mostly

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suburban districts, and in addition to sweeping streets they do weeding, mowing of grass, trimming edges and perform various other odd jobs of repairs to the streets and sidewalks; they cover about 20 miles in length or an area of about 394,000 square yards, each per month. Section number five is employed constantly on Bellevue Avenue during the summer season, which they cover about twice per day.

The above mentioned sweepers are employed only part of the year, which is regulated by weather conditions and the amount of the appropriation. This year the season commenced on April 1st and ended on November 14th, and at a total cost of $18,091.36.

This department did not employ any boys to pick up papers this year because it was considered not necessary to do so.

The permanent pavements of Thames and Spring Streets, Broadway and Long Wharf, including Washington Square, are swept throughout the year, except upon extreme cold weather or when the pavements are covered with snow. The expense of sweeping these paved streets varies in cost each year, owing to light or heavy snow falls. The total cost of sweeping the permanent pavements this year was $10,085.35, which in addition to the cost of sweeping all other streets makes a total expense of $28,176.71 for the cleaning of streets, which is $2,464.88 in excess of the cost last year.

The following table will give you some idea of the area, cost, etc., of cleaning streets, viz.:

Cleaning Streets—Season 1908.

Permanent Pavements.	Square Yards.	Cost per Sq. Yd.	Total Cost.
Thames Street	17,613.21	.302	$5,320.32
Spring Street	16,301.04	.125	2,049.82
Broadway and Washington Sq.	15,290.32	.116	1,786.37
Long Wharf	3,179.40	.292	928.94
Total	52,383.97	.190	$10,085.35
		Av. Cost per Sq. Yd.	
All other streets	1,012,467.95	.017	18,091.36
Total	1,064,851.92	.026	$28,176.71

REMOVAL OF SNOW AND ICE.

Owing to the light snow falls this year the expense of the removal of snow and ice, graveling crosswalks and permanent pavements was much less than in former years. The total cost this year being only $1,680.76, which is $2,406.40 less than last year.

This office has prepared the following table which will give you the variation of cost of the removal of snow and ice during the past ten years, viz.:

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1899	$3,029.15
1900	483.08
1901	1,078.70
1902	2,967.17
1903	8,049.79
1904	1,860.55
1905	2,752.04
1906	620.42
1907	4,087.16
1908	1,680.76
Total	$26,608.82

This makes an average cost per year for the past ten years of $2,660.88. You will kindly observe that the banner year was in 1903, when the expense for this purpose was over eight thousand ($8,000.00) dollars.

Removal of Snow by Teams.

	Department Teams.		Carts.		Hired Teams.		Total
	Loads.	Cu.Yds.	Loads.	Cu.Yds.	Loads.	Cu.Yds.	Cu. Yds.
Jan. 25	75	225	75	112.5	362	1,086	1,423.5
Jan. 26	64	192	180	270	315	945	1,407
Jan. 29			30	45			45
Feb. 6	4	12					12
Total,	143	429	285	427.5	677	2,031	2,887.5

COLLECTION AND DISPOSAL OF THE CITY GARBAGE.

This is the second year that the garbage has been collected under contract with Mr. James J. Dugan. With the exception of a few minor complaints, the contractor has given very good satisfaction.

Two men, one at each dump, are employed constantly throughout the year to level off and burn up the rubbish, etc.

CLEANING MAIN SEWERS.

Four men are employed throughout the year (weather permitting) to flush and keep clear our sewerage system. We have now about forty-three (43) miles of sewers and the total expense this year for this work was $2,593.74 or an average cost of $60.32 per mile.

I would again suggest that no more main sewers be constructed of a diameter of less than ten inches. I find that nearly one-half of our present sewerage system is comprised of eight inch pipe, which is of too small capacity to take care of the increasing amount of house drainage and the vast amount of storm water during heavy rain falls.

During the year sixty-three sewer connections have been inspected by this department.

About 73 tons of gravel taken from the main sewers this year was used for various work. A net saving to the department of $66.43.

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CLEANING CATCH BASINS.

Four men with carts are employed about ten to eleven months in the year in the work of cleaning and flushing catch basins and eye holes. 1,477 catch basins and eye holes were cleaned this year at a total cost of $3,208.43 or an average cost of $2.17 each. 1,459 loads of material was removed from these catch basins, etc.

This office has prepared a list of the location of catch basins and eye-holes and the following is a complete list to date, viz.:

LIST OF CATCH BASINS AND EYE HOLES LOCATED AS FOLLOWS,—VIZ.:

	Catch Basins.	Eye Holes.	Total.
Ann St., at Thames St., north side	1		1
Ann St., at Thames St., south side		1	1
Annandale Rd., at Merton Rd., west side	1		1
Annandale Rd., near "Corrigan's"	1		1
Annandale Rd., at Dresser St.	1		1
Annandale Rd., at Merton Rd., east side		1	1
Annandale Rd., near "Corrigan's"		2	2
Annandale Rd., opp. "Corrigan's"		1	1
Ayrault St., at Broadway, north side	1		1
Ayrault St., at Broadway, south side	1		1
Ayrault St., at Kay St., south side	1		1
Bacheller St., near Byrnes St.	1		1
Barney St., at Spring St., south side	1		1
Barney St., at Spring St., north side	1		1
Bateman Ave., at Vanderbilt's Stable	1		1
Bath Rd., at Freebody St.	1		1
Bath Rd., at Middleton Ave.	1		1
Bath Rd., opp. Middleton Ave.	1		1
Bath Rd., at Cliff Ave.	1		1
Bath Rd., near foot of hill	1		1
Bath Rd., at Trager's Place	1		1
Bedlow Ave., near Broadway, north side		1	1
Bellevue Ave., near Touro St.	1		1
Bellevue Ave., at Catherine St.	1		1
Bellevue Ave., at Downing St.	1		1
Bellevue Ave., at Levin St.	1		1
Bellevue Ave., at Bath Rd.	1		1
Bellevue Ave., at Bowery St.	1		1
Bellevue Ave., at East Bowery St.	1		1
Bellevue Ave., at Berkeley Ave.	1		1
Bellevue Ave., opp. Perry St.	1		1
Bellevue Ave., at Parker Ave., east side	2		2
Bellevue Ave., at Narragansett Ave., east side	1		1
Bellevue Ave., at Webster St., west side	2		2
Bellevue Ave., at Webster St.		2	2
Bellevue Ave., at Leroy Ave., east side	1		1
Bellevue Ave., at Coggeshall Ave.	1		1
Bellevue Ave., at Gerry's	1		1
Bellevue Ave., at turn	1		1
Bellevue Ave., at Ruggles Ave.	1		1
Bellevue Ave., at Ruggles Ave., east side		1	1
Bellevue Ave., at Ruggles Ave., west side		2	2
Bellevue Ave., at Bailey's Beach		1	1

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	Catch Basins.	Eye Holes.	Total.
Bellevue Ave., at Coggeshall Ave.		2	2
Bellevue Ave., at Ledge Rd., north side		1	1
Bellevue Ct., at Tweedy's	1		1
Berkeley Ave., at Butler's, south side	1		1
Berkeley Ave., opp. Butler's, north side		1	1
Bliss Rd., at Gibbs Ave.	1		1
Bliss Rd., at Whitehall St.	1		1
Bliss Mine Rd., east side		1	1
Bliss Mine Rd., west side		1	1
Bowery St., at King St., north side	1		1
Bowery St., at Spring St., south side	1		1
Bowery St., opp. King St., south side		1	1
Bradford Ave., near Friendship St., west side	1		1
Bradford Ave., near Friendship St., east side		1	1
Bridge St., at Third St., northeast corner	1		1
Bridge St., at Third St., northwest corner	1		1
Bridge St., at Stoddard Ct., north side	1		1
Bridge St., at Second St., north side		1	1
Bridge St., at No. 2 Engine House, south side		1	1
Bridge St., opp. Stoddard Ct., south side		1	1
Brinley St., at Kay St., east side	1		1
Broadway at Court House St.	2		2
Broadway at Farewell St.	1		1
Broadway at Branch St.	1		1
Broadway at City Hall	1		1
Broadway at Oak St.	1		1
Broadway at Mann Ave.		1	1
Broadway at Kilburn Ct.	1		1
Broadway at Ayrault St.		1	1
Broadway at Gould St.	1		1
Broadway at Rhode Island Ave.		1	1
Broadway at Malbone Rd.	1		1
Broadway at Everett St.	1		1
Broadway north of Arnold Ave.	1		1
Broadway at Cranston Ave.	1		1
Broadway at Thurston's, west side	1		1
Broadway at Bedlow Ave., west side	1		1
Broadway at Davis', east side	1		1
Broadway at Elliott Place	1		1
Broadway at Vernon Ave.	1		1
Broadway at Mann Ave.	1		1
Broadway at Green's	1		1
Broadway opp. Green's	1		1
Bull St., at Broadway	2		2
Bull St., at Mt. Vernon St.	2		2
Byrnes St., at Bacheller St.	1		1
Callender Ave., at Davis Ct.	1		1
Calvert St., near schoolhouse	1		1
Cannon St., at Thames St.	2		2
Carey St., north and south side	2		2
Carroll Ave., at Eastnor Rd., west side	1		1
Carroll Ave., bet. Thames & Bateman, east side	2		2
Carroll Ave., at Harrison Ave.	1		1
Carroll Ave., opp. Harrison Ave.	1		1
Carroll Ave., at Morton Ave.	1		1
Catherine St., at R. I. Ave., north side	1		1

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	Catch Basins.	Eye Holes.	Total.
Catherine St., opp. Cottage St.	1		1
Champlin St., at Hunter Ave., north side	1		1
Chapel St., at Fludder's, east side	1		1
Chapel St., opp. Fludder's, west side	1		1
Chapel St., at DeBlois St.	1		1
Charles St., at North Baptist St.	1		1
Charles St., at Washington Square	1		1
Chastellux Ave., at Wellington Ave., west side	1		1
Cherry St., near R. R. track	1		1
Church St., at Spring St., northeast side	1		1
Church St., at Spring St., southeast side	1		1
Hunt Estate, on Church St.	1		1
Church St., near Thames St., north side	1		1
City Hall, rear	1		1
Clay St., at Narragansett Ave., south side	1		1
Clay St., at Narragansett Ave., north side		1	1
Coddington St., at Thames St.	1		1
Coggeshall Ave., at Ruggles Ave.	1		1
Coggeshall Ave., at Victoria Ave.	1		1
Coggeshall Ave., at Bellevue Ave.		2	2
Commercial Wharf at Ice Office	1		1
Connection St. at Roseneath Ave.	1		1
Connection St., at Houston Ave.	2		2
Connection St., at Marchant St.	2		2
Connection St., at Marchant St. (20 feet from southeast corner)	1		1
Cotton Ct., at Thames St.	1		1
Cross St., opp. Elm St.	1		1
Dean Ave., north and south side	2		2
Dearborn St., at Thames St.	2		2
Dearborn St., at Thames St.		1	1
DeBlois St., at State St.	1		1
Dennison St. at Thames St., south side		1	1
Dennison St., at Thames St., north side		1	1
Division St., at Mary St., northeast corner	1		1
Division St., at Mary St., southeast corner	1		1
Division St., at Mary St., southwest corner	1		1
Division St., at Touro St., east side		1	1
Division St., at Mary St., west side		1	1
Dixon St., near Bellevue Ave.	1		1
Dresser St., at Annandale Rd., north side	1		1
Duke St., west side	1		1
Duke St., east side		1	1
East Bowery St., at Bellevue Ave., south side	1		1
East Bowery St., at Freebody St.	1		1
Eastnor Rd., at Carroll Ave.	1		1
Eastnor Rd., at Marchant St.	4		4
Edgar Ct., at Bath Rd., east side	1		1
Edgar Ct., west side	1		1
Edward St., at West Broadway, south side	1		1
Elm St., at Third St.	1		1
Elm St., at Fourth St., east side	1		1
Elm St., at Second St.		1	1
Elm St., at Fourth St., west side		1	1
Eustis Ave., near Gibbs Ave., south side		1	1
Eustis Ave., near Gibbs Ave., north side		1	1

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	Catch Basins.	Eye Holes.	Total.
Everett St., at Kay St., north side	1		1
Everett St., at Kay St., south side	1		1
Everett St., bet. Kay and Francis, south side	1		1
Everett St., near Broadway, north side		1	1
Everett St., near Broadway, south side		1	1
Evarts St., opp. Brandt St.	1		1
Extension St., north side	1		1
Extension St., south side		1	1
Fair St., at Thames St., south side	1		1
Farewell St., at Thames St.	1		1
Farewell St., near Warner St.	1		1
Farewell St., at Warner St.	1		1
Farewell St., at Appleby St., north side	1		1
Farewell St., at North Baptist St.	1		1
Farewell St., at River Lane	2		2
Farewell St., at Appleby St., south side		1	1
Farewell St., at Marlborough St.		1	1
Francis St., near Rhode Island Ave.	1		1
Francis St., near Rhode Island Ave.		1	1
Frank St., near Thames St.	1		1
Frank St., at Thames St.	1		1
Franklin St., at Thames St., south side	1		1
Franklin St., at Thames St., north side	1		1
Freebody St., at Bath Rd., west side	1		1
Freebody St., at Merton Rd.	1		1
Freebody St., opp. Park	1		1
Friendship St., at Gardiner St.	1		1
Friendship St. at Hope St.	1		1
Friendship St., opp. Gardiner St.		1	1
Gibbs Ave., at Water Works Rd., east side	1		1
Gibbs Ave., at Catherine St., west side	1		1
Gibbs Ave., at Gibbs House	1		1
Gibbs Ave., at Bliss Rd.		1	1
Gibbs Ave., at Kay St., west side		1	1
Gibbs Ave., at Catherine St., east side		1	1
Gidley St., south side	1		1
Golden Hill St., at Spring St., south side	1		1
Golden Hill St., south side	1		1
Gould St., at Broadway, north side	1		1
Gould St., at Park St.	1		1
Gould St., at Warner St.		2	2
Green Street., north side	1		1
Green St., south side		1	1
Halidon Ave	2		2
Hall Ave., near Channing St., east side	1		1
Hall Ave., opp. Channing St., west side	1		1
Hall Ave. at Van Zandt Ave.	1		1
Hall Ave., at Van Zandt Ave.		2	2
Harrison Ave., at Marchant St.	1		1
Harrison Ave., at Roseneath Ave.	1		1
Harrison Ave., near Hammersmith Rd.	1		1
Harrison Ave., at Dr. Clark's	1		1
Harrison Ave., at Morgan's	1		1
Harrison Ave., at Fort Adams Rd.	2		2
Harrison Ave., opp. Fort Adams Rd.	1		1
Harrison Ave., bet Ft. Adams Rd. & Ridge Rd.	3		3

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	Catch Basins.	Eye Holes.	Total.
Harrison Ave., at Auchincloss'	2		2
Harrison Ave., near Carroll Ave.	1		1
High St., at Touro St., east side		1	1
Holland St., at Thames St.	1		1
Homer St., at Garfield St.	1		1
Houston Ave., near Connection St., west side.	1		1
Houston Ave., at Wellington Ave., east side.	1		1
Houston Ave., at Schultz's Green House	1		1
Houston Ave., at West Narragansett Ave.	1		1
Houston Ave., near Connection St., west side.		1	1
Houston Ave., at Wellington Ave., west side..		1	1
Howard St., at Thames St., south side	1		1
Howard St., at Thames St., north side		1	1
John St., at Spring St.	2		2
Kay St., at Brinley St.	1		1
Kay St., opp. Mann Ave.	1		1
Kay St., at Ayrault St.	1		1
Kay St., at Cranston Ave.	1		1
Kay St., at Rhode Island Ave.	1		1
Kay St., at Touro St., east side		1	1
Kay St., at Everett St.		1	1
Kinsley Wharf, north side	1		1
Lake View Ave., opp Ledge Rd.	1		1
Lawrence Ave., at Ruggles Ave., northwest cor.	1		1
Lawrence Ave., at Sheppard Ave.	1		1
Lawrence Ave., at Ruggles Ave., northeast cor.	1		1
Lawrence Ave., at Leroy Ave.		2	2
Ledge Rd., at Lake View Ave.	1		1
Ledge Rd., at Brook's	1		1
Ledge Rd., opp. Belmont's	1		1
Lee Ave., at Thames St.	1		1
Leroy Ave., at Lawrence Ave.	2		2
Levin St., near Spring St., north side	1		1
Levin St., at Spring St., south side	1		1
Levin St., at Spring St., north side		1	1
Long Wharf, opp. New England Biscuit Co.		1	1
Long Wharf, at New England Biscuit Co.		1	1
Long Wharf, opp. Ice Co.		1	1
Long Wharf, at Ice Co.		1	1
Long Wharf, near Washington St.		2	2
Mann Ave., at Broadway	2		2
Marchant St., at Wellington Ave., east side	1		1
Marchant St., at West Narragansett Ave.	1		1
Marchant St., at Atlantic Ave.	2		2
Marchant St., at Eastnor Rd., southeast corner	1		1
Marchant St., at Harrison Ave., east side	1		1
Marchant St., at Narragansett Ave.	1		1
Marchant St., at Connection St., northwest cor.		1	1
Marchant St., at Narragansett Ave., S. E. cor.		1	1
Market Square, north side	1		1
Market Square, south side	1		1
Market Square, north side		1	1
Marlborough St., at W. Broadway, north side	1		1
Marlborough St., at Farewell St.	2		2
Mary St., at Spring St.	2		2
Mary St., at Thames St., south side	1		1

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	Catch Basins.	Eye Holes.	Total.
Mary St., at Division St., north side		1	1
Mary St., at Thames St., north side		1	1
Mason Ct., at Thames St.	1		1
McAllister St., near Byrnes St.	1		1
Meeting St., at River Lane, west side	1		1
Meeting St., at River Lane, east side		1	1
Merton Rd., at Freebody St.	1		1
Middleton Ave., at Weaver Ave.	2		2
Middleton Ave., at East Bowery St.	2		2
Middleton Ave., at Berkeley Ave.	2		2
Middleton Ave., at Parker Ave., west side	1		1
Middleton Ave., at Merton Rd.	1		1
Mill St., at Spring St.	2		2
Mill St., at Thames St.	2		2
Mill St., near Coddington School	1		1
Morgan Ct.	1		1
Mt. Vernon St., at Bull St., east side		1	1
Narragansett Ave., at Thames St.	1		1
Narragansett Ave., at Marchant St.	1		1
Narragansett Ave., at Sheldon's	1		1
Narragansett Ave., at Jacob's	1		1
Narragansett Ave., at Forty Steps	1		1
Narragansett Ave., opp. Mrs. Callender's	1		1
Narragansett Ave., at Rosevale	1		1
Narragansett Ave., at Pinard Cottages	1		1
Narragansett Ave., at Stillman's	1		1
Narragansett Ave., at Spring St., southeast cor.	1		1
Newport Ave., near Warner St., north side		1	1
Ochre Pt. Ave., at Ruggles Ave.	1		1
Ochre Pt. Ave., at Vanderbilt's Gate	1		1
Ochre Pt. Ave., at Victoria Ave.	1		1
Ochre Pt. Ave., 75′ N. Webster St., west side	1		1
Ochre Pt. Ave., 40′ N. Webster St., east side	1		1
Old Beach Rd., at Sunnyside Pl., north side	1		1
Old Beach Rd., at Cottage St.	2		2
Old Beach Rd., at Gibbs Ave., south side		1	1
Old Beach Rd., at Gibbs Ave., north side		1	1
Park St., at Gould St., south side		1	1
Parker Ave., at Middleton Ave.	1		1
Parker Ave., opp. Middleton Ave.	1		1
Parker Ave., at Bellevue Ave., south side		1	1
Pelham St., at Corne St., north side	1		1
Pelham St., at Spring St.	2		2
Pelham St., at Stewart's stable, north side	1		1
Pelham St., at Thames St.	2		2
Pelham St., at Corne St., south side		1	1
Pelham St., at Stewart's stable, south side		1	1
Perry St., at Spring St.	2		2
Perry St., near Spring St., north side		1	1
Pond Ave., at East Ct.	1		1
Pope St., at Thames St., north side	1		1
Poplar St., at Fourth St.	3		3
Poplar St., at Fourth St.		1	1
Powell Ave., bet. Hope & Broadway, south side	1		1
Powell Ave., bet. Hope & Broadway, north side		1	1
Prospect Hill St., at Corne St.	1		1

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	Catch Basins.	Eye Holes.	Total.
Prospect Hill St., at Thames St., south side ..	1		1
Rhode Island Ave., at Francis St.	1		1
Rhode Island Ave., at Kay St.	2		2
Rhode Island Ave., at Broadway, north side ..	1		1
Rhode Island Ave., opp. Francis St.	1		1
Rhode Island Ave., near Champlin St.		1	1
Rhode Island Ave., at Francis St.		1	1
Rhode Island Ave., opp. Francis St.		1	1
Ridge Rd., near Castle Hill Ave., west side ..	1		1
Roseneath Ave., at Wellington Ave., west side	1		1
Roseneath Ave., 100 ft. S. of Connection St. ..	1		1
Roseneath Ave., at West Narragansett Ave...	1		1
Roseneath Ave., at Wellington Ave., east side		1	1
Roseneath Ave., at Connection St., west side.		1	1
Roseneath Ave., at West Narragansett Ave...		1	1
Roseneath Ave., opp. West Narragansett Ave.		1	1
Ruggles Ave., near Bellevue Ave.	1		1
Ruggles Ave., at Coggeshall Ave.	1		1
Ruggles Ave., at Kernochan's	2		2
Ruggles Ave., at Lawrence Ave., northwest cor.	1		1
Ruggles Ave., opp. Lawrence Ave.	2		2
Ruggles Ave., at Wetmore Ave., southwest cor.	1		1
Ruggles Ave., at Fisk's Driveway	1		1
Ruggles Ave., at Wetmore Ave., northwest cor.		1	1
Ruggles Ave., opp. Lawrence Ave.		1	1
Sayers Wharf, north side	1		1
Second St., at Battery St., west side	1		1
Second St., at Elm St.	2		2
Second St., at Bridge St.	2		2
Second St., at Marsh St.	2		2
Second St., at Battery St., east side		1	1
Sheppard Ave., at Lawrence Ave.	2		2
Sheppard Ave., at Lawrence Ave.		2	2
Sherman St., at Spring St.	2		2
Sherman St., at Mt. Vernon St., south side ..	1		1
Sherman St., at Mt. Vernon St., north side ..		1	1
Simmons St., at Marchant St.	1		1
Spring St., at Stone St.	1		1
Spring St., at Allen Ct.	1		1
Spring St., at Mary St., east side	1		1
Spring St., at Prospect Hill St., east side	1		1
Spring St., opp. Franklin St.	1		1
Spring St., opp. Cannon St.	1		1
Spring St., at McCormick's	1		1
Spring St., at Young St.	1		1
Spring St., at Bowery St.	1		1
Spring St., at Sherman St.		1	1
Spring St., at Barney St.		1	1
Spring St., at Touro St., east side		1	1
Spring St., at Mill St., east side		1	1
Spring St., at Golden Hill St.		1	1
Spring St., at King Estate		1	1
Spring St., at Howard St.	1		1
Spring St., at Lee Ave.	1		1
Spring St., at Lee Ave.		1	1
Spring St., at Bacheller St.	1		1

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	Catch Basins.	Eye Holes.	Total.
Spring St., at Dixon St.	1		1
Spring St., at Narragansett Ave., east side	1		1
Spring St., at McAllister St.	1		1
Spring St., opp. Morton Ave.		1	1
Spruce St., at West Broadway, south side	1		1
Spruce St., at West Broadway, north side		1	1
State St., at DeBlois St., east side		1	1
Stoddard Ct., at Bridge St.	1		1
Tew Ct., near Old Beach Rd., east side	1		1
Thames St., north Bridge St., west side	1		1
Thames St., north Bridge St., east side		1	1
Thames St., at Cozzens's Ct.	1		1
Thames St., opp. Cozzen's Ct.	1		1
Thames St., at Marlborough St.	1		1
Thames St., at W. Marlborough St.	1		1
Thames St., at W. Marlborough St.		1	1
Thames St., south Marlborough St., east side.	1		1
Thames St., at Old City Hall	1		1
Thames St., at Mary St.		1	1
Thames St., at Washington Sq.		1	1
Thames St., at Swinburnes Wharf	1		1
Thames St., opp. Swinburnes Wharf	1		1
Thames St., at Mill St.		1	1
Thames St., at Market Sq.		1	1
Thames St., at Kinsley Wharf	1		1
Thames St., at Pelham St.		1	1
Thames St., at Commercial Wharf	1		1
Thames St., at Commercial Wharf		1	1
Thames St., at Franklin St.	1		1
Thames St., at Franklin St.		1	1
Thames St., at Cannon St.		1	1
Thames St., opp. Ann St.	1		1
Thames St., at Dennison St.	2		2
Thames St., at Brown & Howards Wharf	1		1
Thames St., at Howard St.	1		1
Thames St., at Howard St.		1	1
Thames St., at West Howard St.		1	1
Thames St., at Extension St.	1		1
Thames St., at West Extension St.	1		1
Thames St., opp. Waites Wharf	1		1
Thames St., at Dean Ave.	1		1
Thames St., at Harrington St.	1		1
Thames St., opp. Wellington Ave.	1		1
Thames St., at Narragansett Ave.	2		2
Thames St., at West Narragansett Ave.	1		1
Thames St., at Lucas Ave.	1		1
Thames St., at West Howard St.	2		2
Thames St., at Waites Wharf	1		1
Thames St., opp. Waites Wharf	1		1
Thames St., at Webster St.	1		1
Thames St., opp. Webster St.	1		1
Third St., at Van Zandt Ave., east side	1		1
Third St., at Walnut St., west side	1		1
Third St., at Willow St.	2		2
Third St., at Elm St.	2		2
Third St., at Marsh St., west side	1		1

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	Catch Basins.	Eye Holes.	Total.
Third St., at Van Zandt Ave., west side		1	1
Third St., at Walnut St., east side		1	1
Third St., at Marsh St., east side		1	1
Tilley Ave., at Van Zandt Ave., west side	1		1
Tilley Ave., at Van Zandt Ave., east side		1	1
Touro St., at Mary St.	1		1
Touro St., at Mount Vernon St.	1		1
Touro St., at High St.	1		1
Touro St., at School St.	1		1
Touro St., at Division St.	1		1
Touro St., at Spring St.	2		2
Touro St., at Mall	1		1
Touro St., at Thames St.	1		1
Van Zandt Ave., at Hall Ave., north side	1		1
Van Zandt Ave., at Congdon Ave.	1		1
Van Zandt Ave., opp. Halsey St.	1		1
Van Zandt Ave., at Hall Ave., south side		1	1
Vicksburg Place, near Warner St.	1		1
Walnut St., south side Third St.	1		1
Walnut St., at Farewell St.	1		1
Walnut St., north side Third St.		1	1
Walnut St., at Farewell St.		1	1
Ward Ave., opp. Pinard Cottages, north side	1		1
Ward Ave., at Pinard Cottages, south side	1		1
Warner St., at Newport Ave.	1		1
Warner St., at Bay View Ave.	1		1
Warner St., at Gould St.	4		4
Warner St., at Pond Ave.	1		1
Warner St., opp. Callender Ave.	1		1
Warner St., at Farewell St.	2		2
Washington Square at Prison St.	1		1
Washington Square at Mall	1		1
Washington Square at Thames St.	1		1
Washington St., at Elm St.	2		2
Washington St., at Railroad, west side	1		1
Washington St., at Boiler Shop	1		1
Washington St., at Battery St.		2	2
Washington St., at Railroad, east side		1	1
Weaver Ave., near Middleton Ave., south side	1		1
Webster St., between Thames and Spring	2		2
Webster St., at Lawrence Ave.	1		1
Wellington Ave., at Marchant St.	1		1
Wellington Ave., at Columbus Ave.	1		1
Wellington Ave., bet. Marchant & Houston Ave.	1		1
Wellington Ave., at Roseneath Ave.	1		1
Wellington Ave., at Chastellux Ave.	1		1
Wellington Ave., at Halidon Ave.	1		1
Wellington Ave., opp. Mason's	1		1
Wellington Ave., at King Park Pier	1		1
West Broadway at Pond Ave.	1		1
West Broadway at Caleb Earl St.	1		1
West Broadway at Spruce St.	1		1
West Broadway at Callender Ave.	1		1
West Broadway at Oak St.	1		1
West Broadway at Burnside Ave.	1		1
West Broadway at Tilden Ave.	1		1

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	Catch Basins.	Eye Holes.	Total.
West Broadway at Edward St.	1		1
West Broadway at Branch St.	1		1
West Broadway at Marlborough St., east side	1		1
West Broadway at Benj. Easton's Stable	1		1
West Broadway at Collins St.		1	1
West Broadway opp. Tilden Ave.		1	1
West Broadway, at Marlborough St., west side		1	1
West Broadway, at Collins St.	1		1
West Broadway, near Spruce St.	1		1
West St., at foot of hill	1		1
West Howard St., north side	1		1
West Marlborough St., at Thames St.	2		2
West Marlborough St., at Walsh's		1	1
West Marlborough St., at Water Works		1	1
West Narragansett Ave., at Marchant St.	1		1
William St., at Thomas St.	1		1
William St., bet. Thomas and Spring, half way	1		1
William St., at Spring St.	1		1
William St., at Spring St., north side		1	1
Willow St., east of Third St., north side	1		1
Willow St., east of Third St., north side		1	1
Young St., north side	1		1
Young St., north side		1	1
	444	139	583

WATERING STREETS.

This office again this year has been diligently at work to determine the amount of water used and the mileage and area covered by the watering of streets.

The total cost of Watering this year was $10,606.30 or $159.80 per mile watered during the season, which is about $1.13 more per mile than last year, caused by a much dryer season. About sixty-seven (67) miles of streets are watered on an average of twice per day.

The watering of streets commenced on May 4th and continued until November 3rd when the hired teams were retired.

I would recommend the purchase of two single watering carts to take the place of wornout carts. During the winter months the other eighteen (18) watering carts will be thoroughly overhauled, repaired and repainted by the permanent men in the employ of the department.

We take pleasure in submitting to your honorable body the following statistics of the Street Watering, viz.:

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STREET WATERING.

Single Cart No. 10. Capacity 350 Gals.

Loads per day—Fresh, 50; Salt, None. Gallons used per day—Fresh, 17,500; Salt, None.

1908.	Days Wat'd	Totals. Gallons of water used. Fresh	Salt	Total	Mileage of Streets Watered. Fresh	Salt	Total	Area of Streets Watered. Sq. yds. Fresh	Sq. yds. Salt	Sq.yds. Total
May	17–2	301,875	----------	301,875	153.35	--------	153.35	1,817,258.18	----------	1,817,258.18
June	23–4	411,250	----------	411,250	208.92	--------	208.92	2,475,685.05	----------	2,475,685.05
July	22–6	398,125	----------	398,125	202.25	--------	202.25	2,396,673.83	----------	2,396,673.83
Aug.	19–2	336,875	----------	336,875	171.13	--------	171.13	2,027,954.77	----------	2,027,954.77
Sept.	17	297,500	----------	297,500	151.13	--------	151.13	1,790,921.10	----------	1,790,921.10
Oct.	2	35,000	----------	35,000	17.78	--------	17.78	210,696.60	----------	210,696.60
	101–6	1,780,625	----------	1,780,625	904.56	--------	904.56	10,719,189.53	----------	10,719,189.53

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STREET WATERING.

Single Cart No. 14. Capacity 350 Gals.

Loads per day—Fresh, 38; Salt, None. Gallons used per day—Fresh, 13,300; Salt, None.

1908.	Days Wat'd	Totals. Gallons of water used. Fresh	Salt	Total	Mileage of Streets Watered. Fresh	Salt	Total	Area of Streets Watered. Sq. yds. Fresh	Sq. yds. Salt	Sq.yds. Total
May	7–2	96,425	----------	96,425	46.76	--------	46.76	503,338.36	----------	503,338.36
June	23–4	312,550	----------	312,550	151.58	--------	151.58	1,631,510.53	----------	1,631,510.53
July	22–6	302,575	----------	302,575	146.74	--------	146.74	1,579,441.05	----------	1,579,441.05
Aug.	19–2	256,025	----------	256,025	124.16	--------	124.16	1,336,450.12	----------	1,336,450.12
Sept.	15	199,500	----------	199,500	96.75	--------	96.75	1,041,389.70	----------	1,041,389.70
	87–6	1,167,075	----------	1,167,075	565.99	--------	565.99	6,092,129.76	----------	6,092,129.76

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STREET WATERING.

Single Cart No. 16. Capacity 350 Gals.

Loads per day—Fresh, 41; Salt, None. Gallons used per day—Fresh, 14,350; Salt, None.

1908.	Days Wat'd	Totals. Gallons of water used. Fresh	Salt	Total	Mileage of Streets Watered. Fresh	Salt	Total	Area of Streets Watered. Sq. yds. Fresh	Sq. yds. Salt	Sq.yds. Total
May	19–6	283,413	----------	283,413	121.66	--------	121.66	1,666,241.93	----------	1,666,241.93
June	29	416,150	----------	416,150	178.64	--------	178.64	2,446,633.72	----------	2,446,633.72
July	26–6	383,862	----------	383,862	164.78	--------	164.78	2,256,808.69	----------	2,256,808.69
Aug.	24	344,400	----------	344,400	147.84	--------	147.84	2,024,800.32	----------	2,024,800.32
Sept.	19	272,650	----------	272,650	117.04	--------	117.04	1,602,966.92	----------	1,602,966.92
Oct.	11–4	165,025	----------	165,025	70.84	--------	70.84	970,216.82	----------	970,216.82
Nov.	1	14,350	----------	14,350	6.16	--------	6.16	84,366.68	----------	84,366.68
	131	1,879,850	----------	1,879,850	806.96	--------	806.96	11,052,035.08	----------	11,052,035.08

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STREET WATERING.

Single Cart No. 17. Capacity 300 Gals.

Loads per day—Fresh, 45; Salt, None. Gallons used per day—Fresh, 13,500; Salt, None.

1908.	Days Wat'd	Totals. Gallons of water used. Fresh	Salt	Total	Mileage of Streets Watered. Fresh	Salt	Total	Area of Streets Watered. Sq. yds. Fresh	Sq. yds. Salt	Sq.yds. Total
May	17–2	232,875	----------	232,875	174.23	--------	174.23	1,885,299.08	----------	1,885,299.08
June	27–4	371,250	----------	371,250	277.75	--------	277.75	3,005,549.25	----------	3,005,549.25
July	24–6	334,125	----------	334,125	249.98	--------	249.98	2,704,994.32	----------	2,704,994.32
Aug.	23	310,500	----------	310,500	232.30	--------	232.30	2,513,732.10	----------	2,513,732.10
Sept.	17	229,500	----------	229,500	171.70	--------	171.70	1,857,975.90	----------	1,875,975.90
Oct.	8–4	114,750	----------	114,750	85.85	--------	85.85	928,987.95	----------	928,987.95
Nov.	1	13,500	----------	13,500	10.10	--------	10.10	109,292.70	----------	109,292.70
	119	1,606,500	----------	1,606,500	1,201.91	--------	1,201.91	13,005,831.30	----------	13,005,831.30

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STREET WATERING.

Single Cart No. 18. Capacity 350 Gals.

Loads per day—Fresh, 50; Salt, None. Gallons used per day—Fresh, 17,500; Salt, None.

1908.	Days Wat'd	Totals. Gallons of water used. Fresh	Salt	Total	Mileage of Streets Watered. Fresh	Salt	Total	Area of Streets Watered. Sq. yds. Fresh	Sq. yds. Salt	Sq.yds. Total
May	17–2	301,875	----------	301,875	135.93	--------	135.93	2,109,668.79	----------	2,109,668.79
June	23–4	411,250	----------	411,250	185.18	--------	185.18	2,874,041.54	----------	2,874,041.54
July	22–6	398,125	----------	398,125	179.27	--------	179.27	2,782,316.81	----------	2,782,316.81
Aug.	19–2	336,875	----------	336,875	151.69	--------	151.69	2,354,268.07	----------	2,354,268.07
Sept.	17	297,500	----------	297,500	133.96	--------	133.96	2,079,093.88	----------	2,079,093.88
Oct.	8–4	148,750	----------	148,750	66.98	--------	66.98	1,039,546.94	----------	1,039,546.94
Nov.	1	17,500	----------	17,500	7.88	--------	7.88	122,299.64	----------	122,299.64
	109–2	1,911,875	----------	1,911,875	860.89	--------	860.89	13,361,235.67	----------	13,361,235.67

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STREET WATERING.

Single Cart No. 19. Capacity 300 Gals.

Loads per day—Fresh, 42; Salt, None. Gallons used per day—Fresh, 12,600; Salt, None.

1908.	Days Wat'd	Totals. Gallons of water used. Fresh	Salt	Total	Mileage of Streets Watered. Fresh	Salt	Total	Area of Streets Watered. Sq. yds. Fresh	Sq. yds. Salt	Sq.yds. Total
May	16–2	204,750	----------	204,750	109.36	--------	109.36	1,169,399.73	----------	1,169,399.73
June	23–4	296,100	----------	296,100	158.16	--------	158.16	1,691,131.91	----------	1,691,131.91
July	22–6	286,650	----------	286,650	153.11	--------	153.11	1,637,159.62	----------	1,637,159.62
Aug.	19–2	242,550	----------	242,550	129.55	--------	129.55	1,385,288.91	----------	1,385,288.91
Sept.	15	189,000	----------	189,000	100.95	--------	100.95	1,079,445.90	----------	1,079,445.90
	96–6	1,219,050	----------	1,219,050	651.13	--------	651.13	6,962,426.07	----------	6,962,426.07

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STREET WATERING.

Single Cart No. 20. Capacity 300 Gals.

Loads per day—Fresh, 45; Salt, None. Gallons used per day—Fresh, 13,500; Salt, None.

1908.	Days Wat'd	Totals. Gallons of water used. Fresh	Salt	Total	Mileage of Streets Watered. Fresh	Salt	Total	Area of Streets Watered. Sq. yds. Fresh	Sq. yds. Salt	Sq.yds. Total
May	17–2	232,875	----------	232,875	123.86	--------	123.86	1,544,553.27	----------	1,544,553.27
June	23–4	317,250	----------	317,250	168.73	--------	168.73	2,104,174.02	----------	2,104,174.02
July	22–6	307,125	----------	307,125	163.35	--------	163.35	2,037,018.03	----------	2,037,018.03
Aug.	19–2	259,875	----------	259,875	138.22	--------	138.22	1,723,631.91	----------	1,723,631.91
Sept.	17	229,500	----------	229,500	122.06	--------	122.06	1,522,168.44	----------	1,522,168.44
Oct.	8	108,000	----------	108,000	57.44	--------	57.44	716,314.56	----------	716,314.56
Nov.	1	13,500	----------	13,500	7.18	--------	7.18	89,539.32	----------	89,539.32
	108–6	1,468,125	----------	1,468,125	780.84	--------	780.84	9,737,399.55	----------	9,737,399.55

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STREET WATERING.

Single Cart No. 22. Capacity 300 Gals.

Loads per day—Fresh, 38; Salt, None. Gallons used per day—Fresh, 11,400; Salt, None.

1908.	Days Wat'd	Totals. Gallons of water used. Fresh	Salt	Total	Mileage of Streets Watered. Fresh	Salt	Total	Area of Streets Watered. Sq. yds. Fresh	Sq. yds. Salt	Sq.yds. Total
May	17–2	196,650	----------	196,650	122.30	--------	122.30	1,209,574.83	----------	1,209,574.83
June	24	273,600	----------	273,600	170.16	--------	170.16	1,682,886.72	----------	1,682,886.72
July	22–6	259,350	----------	259,350	161.30	--------	161.30	1,595,236.37	----------	1,595,236.37
Aug.	19–2	219,450	----------	219,450	136.48	--------	136.48	1,349,815.39	----------	1,349,815.39
Sept.	17	193,800	----------	193,800	120.53	--------	120.53	1,192,044.76	----------	1,192,044.76
Oct.	2	22,800	----------	22,800	14.18	--------	14.18	140,240.56	----------	140,240.56
	102–2	1,165,650	----------	1,165,650	725.95	--------	725.95	7,169,798.63	----------	7,169,798.63

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STREET WATERING.

Single Cart No. 36. Capacity 350 Gals.

Loads per day—Fresh, 34; Salt, 2. Gallons used per day—Fresh, 11,900; Salt, 700.

1908.	Days Wat'd	Totals. Gallons of water used. Fresh	Salt	Total	Mileage of Streets Watered. Fresh	Salt	Total	Area of Streets Watered. Sq. yds. Fresh	Sq. yds. Salt	Sq.yds. Total
April	1	11,900	700	12,600	6.03	.39	6.42	60,346.86	3,319.52	63,666.38
May	17	202,300	11,900	214,200	102.51	6.63	109.14	1,025,896.62	56,431.84	1,082,328.46
June	24–4	291,550	17,150	308,700	147.74	9.56	157.30	1,478,498.07	81,328.24	1,559,826.31
July	24–6	294,525	17,325	311,850	149.24	9.65	158.89	1,493,584.79	82,158.12	1,575,742.91
Aug.	18–4	220,150	12,950	233,100	111.56	7.22	118.78	1,116,416.91	61,411.12	1,177,828.03
Sept.	17–6	211,225	12,425	223,650	107.04	6.92	113.96	1,071,156.77	58,921.48	1,130,078.25
Oct.	13	154,700	9,100	163,800	78.39	5.07	83.46	784,509.18	43,153.76	827,662.94
	116–4	1,386,350	81,550	1,467,900	702.51	45.44	747.95	7,030,409.20	386,724.08	7,417,133.28

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STREET WATERING.

Single Cart No. 37. Capacity 350 Gals.

Loads per day—Fresh, 33; Salt, 3. **Gallons used per day—Fresh, 11,550; Salt, 1,050.**

1908.	Days Wat'd	Totals. Gallons of water used. Fresh	Salt	Total	Mileage of Streets Watered. Fresh	Salt	Total	Area of Streets Watered. Sq. yds. Fresh	Sq. yds. Salt	Sq.yds. Total
May	7–4	86,625	7,875	94,500	51.15	19.50	70.65	528,120.45	255,058.88	783,179.33
June	25	288,750	26,250	315,000	170.50	65.00	235.50	1,760,401.50	850,196.25	2,610,597.75
July	24–6	285,863	25,988	311,851	168.80	64.35	233.15	1,742,797.49	841,694.29	2,584,491.78
Aug.	21–4	248,325	22,575	270,900	146.63	55.90	202.53	1,513,945.29	731,168.78	2,245,114.07
Sept.	19–4	225,225	20,475	245,700	132.99	50.70	183.69	1,373,113.17	663,153.08	2,036,266.25
Oct.	15–4	179,025	16,275	195,300	105.71	40.30	146.01	1,091,448.93	527,121.68	1,618,570.61
	113–6	1,313,813	119,438	1,433,251	775.78	295.75	1,071.53	8,009,826.83	3,868,392.96	11,878,219.79

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STREET WATERING.

Double Cart No. 25. Capacity 600 Gals.

Loads per day—Fresh, 34; Salt, 2. **Gallons used per day—Fresh, 20,400; Salt, 1,200.**

1908.	Days Wat'd	Totals. Gallons of water used. Fresh	Salt	Total	Mileage of Streets Watered. Fresh	Salt	Total	Area of Streets Watered. Sq. yds. Fresh	Sq. yds. Salt	Sq.yds. Total
May	17–4	357,000	21,000	378,000	191.63	53.37	245.00	2,973,475.40	752,079.30	3,725,554.70
June	27–6	566,100	33,300	599,400	303.86	84.64	388.50	4,715,082.89	1,192,582.89	5,907,665.31
July	28–2	576,300	33,900	610,200	309.34	86.16	395.50	4,800,038.86	1,214,070.87	6,014,109.73
Aug.	24–6	504,900	29,700	534,600	271.01	75.49	346.50	4,205,343.78	1,063,655.01	5,268,998.79
Sept.	23	469,200	27,600	496,800	251.85	70.15	322.00	3,907,996.24	988,447.08	4,896,443.32
Oct.	8	163,200	9,600	172,800	87.60	24.40	112.00	1,359,303.04	343,807.68	1,703,110.72
	129–2	2,636,700	155,100	2,791,800	1,415.29	394.21	1,809.50	21,961,239.74	5,554,642.83	27,515,882.57

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STREET WATERING.

Double Cart No. 27. Capacity 600 Gals.

Loads per day—Fresh, 40; Salt, None. Gallons used per day—Fresh, 24,000; Salt, None.

1908.	Days Wat'd	Totals. Gallons of water used. Fresh	Salt	Total	Mileage of Streets Watered. Fresh	Salt	Total	Area of Streets Watered. Sq. yds. Fresh	Sq. yds. Salt	Sq.yds. Total
May	20–2	486,000	----------	486,000	246.85	--------	246.85	3,578,338.62	----------	3,578,338.62
June	29	696,000	----------	696,000	353.51	--------	353.51	5,124,534.32	----------	5,124,534.32
July	28–2	678,000	----------	678,000	344.37	--------	344.37	4,992,003.26	----------	4,992,003.26
Aug.	24–2	582,000	----------	582,000	295.61	--------	295.61	4,285,170.94	----------	4,285,170.94
Sept.	19	456,000	----------	456,000	231.66	--------	231.61	3,357,453.52	----------	3,357,453.52
Oct.	13	312,000	----------	312,000	158.47	--------	158.47	2,297,205.04	----------	2,297,205.04
Nov.	1	24,000	----------	24,000	12.19	--------	12.19	176,708.08	----------	179,708.08
	134–6	3,234,000	----------	3,234,000	1,642.61	--------	12.19	176,708.08	----------	176,708.08

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STREET WATERING.

Double Cart No. 28. Capacity 600 Gals.

Loads per day—Fresh, 30; Salt, 4. Gallons used per day—Fresh, 18,000; Salt, 2,400.

1908.	Days Wat'd	Totals. Gallons of water used. Fresh	Salt	Total	Mileage of Streets Watered. Fresh	Salt	Total	Area of Streets Watered. Sq. yds. Fresh	Sq. yds. Salt	Sq.yds. Total
April	4–4	81,000	10,800	91,800	19.89	2.21	22.10	378,923.40	77,999.94	456,923.34
May	18–4	333,000	44,400	377,400	81.77	9.07	90.84	1,557,796.20	320,666.42	1,878,462.62
June	24	432,000	57,600	489,600	106.08	11.76	117.84	2,020,924.80	415,999.68	2,436,924.48
July	24–2	436,500	58,200	494,700	107.19	11.88	119.07	2,041,976.10	420,333.01	2,462,309.11
Aug.	19–4	351,000	46,800	397,800	86.19	9.56	95.75	1,642,001.40	337,999.74	1,980,001.14
Sept.	19	342,000	45,600	387,600	83.98	9.31	93.29	1,599,898.80	329,333.08	1,929,231.88
Oct.	12	216,000	28,800	244,800	53.04	5.88	58.92	1,010,462.40	207,999.84	1,218,462.24
Nov.	0–6	13,500	1,800	15,300	3.32	.37	3.69	63,153.90	12,999.99	76,153.89
	122–4	2,205,000	294,000	2,499,000	541.46	60.04	601.50	10,315,137.00	2,123,331.70	12,438,468.70

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STREET WATERING.

Double Cart No. 29. Capacity 600 Gals.

Loads per day—Fresh, 36; Salt, None. Gallons used per day—Fresh, 21,600; Salt, None.

1908.	Days Wat'd	Totals. Gallons of water used. Fresh	Salt	Total	Mileage of Streets Watered. Fresh	Salt	Total	Area of Streets Watered. Sq. yds. Fresh	Sq. yds. Salt	Sq.yds. Total
May	17–2	372,600	----------	372,600	203.38	--------	203.38	3,086,254.43	----------	3,086,254.43
June	27–4	594,000	----------	594,000	324.23	--------	324.23	4,920,115.75	----------	4,920,115.75
July	24–6	534,600	----------	534,600	291.80	--------	291.80	4,428,104.18	----------	4,428,104.18
Aug.	23	496,800	----------	496,800	271.17	--------	271.17	4,115,005.90	----------	4,115,005.90
Sept.	17	367,200	----------	367,200	200.43	--------	200.43	3,041,526.10	----------	3,041,526.10
Oct.	2	43,200	----------	43,200	23.58	--------	23.58	357,826.60	----------	357,826.60
	111–4	2,408,400	----------	2,408,400	1,314.59	--------	1,314.59	19,948,832.95	----------	19,948,832.95

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STREET WATERING.

Double Cart No. 30. Capacity 600 Gals.

Loads per day—Fresh, 18; Salt, 7. Gallons used per day—Fresh, 10,800; Salt 42,000.

1908.	Days Wat'd	Totals. Gallons of water used. Fresh	Salt	Total	Mileage of Streets Watered. Fresh	Salt	Total	Area of Streets Watered. Sq. yds. Fresh	Sq. yds. Salt	Sq.yds. Total
May	14–6	159,300	61,950	221,250	58.26	31.42	89.68	891,282.62	590,000.00	1,481,282.62
June	28–2	305,100	118,650	423,750	111.59	60.17	171.76	1,707,032.81	1,130,000.00	2,837,032.81
July	24–6	267,300	103,950	371,250	97.76	52.72	150.48	1,495,542.02	990,000.00	2,485,542.02
Aug.	23	248,400	96,600	345,000	90.85	48.99	139.84	1,389,796.62	920,000.00	2,309,796.62
Sept.	15	162,000	63,000	225,000	59.25	31.95	91.20	906,389.10	600,000.00	1,506,389.10
	105–6	1,142,100	444,150	1,586,250	417.71	225.25	642.96	6,390,043.17	4,230,000.00	10,620,043.17

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STREET WATERING.

Double Cart No. 31. Capacity 600 Gals.

Loads per day—Fresh, None; Salt, 12. Gallons used per day—Fresh, None; Salt, 7,200.

1908.	Days Wat'd	Totals. Gallons of water used. Fresh	Salt	Total	Mileage of Streets Watered. Fresh	Salt	Total	Area of Streets Watered. Sq. yds. Fresh	Sq. yds. Salt	Sq.yds. Total
May	14–6	----------	106,200	106,200	--------	103.55	103.55	----------	1,944,797.24	1,944,797.24
June	28–2	----------	203,400	203,400	--------	198.32	198.32	----------	3,724,781.15	3,724,781.15
July	25–2	----------	181,800	181,800	--------	177.26	177.26	----------	3,329,229.17	3,329,229.17
Aug.	23–2	----------	167,400	167,400	--------	163.22	163.22	----------	3,065,527.85	3,065,527.85
Sept.	15	----------	108,000	108,000	--------	105.30	105.30	----------	1,977,759.90	1,977,759.90
	106–4	----------	766,800	766,800	--------	747.65	747.65	----------	14,042,095.31	14,042,095.31

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STREET WATERING.

Double Cart No. 32. Capacity 700 Gals.

Loads per day—Fresh, 35; Salt, None. Gallons used per day—Fresh, 24,500; Salt, None.

1908.	Days Wat'd	Totals. Gallons of water used. Fresh	Salt	Total	Mileage of Streets Watered. Fresh	Salt	Total	Area of Streets Watered. Sq. yds. Fresh	Sq. yds. Salt	Sq.yds. Total
May	19–2	471,625	----------	471,625	193.27	--------	193.27	2,976,132.39	----------	2,976,132.39
June	28–4	698,250	----------	698,250	286.14	--------	286.14	4,406,221.98	----------	4,406,221.98
July	26–2	643,125	----------	643,125	263.55	--------	263.55	4,058,362.35	----------	4,058,362.35
Aug.	23	563,500	----------	563,500	230.92	--------	230.92	3,555,898.44	----------	3,555,898.44
Sept.	21–4	526,750	----------	526,750	215.86	--------	215.86	3,323,992.02	----------	3,323,992.02
Oct.	13–6	336,875	----------	336,875	138.05	--------	138.05	2,125,808.85	----------	2,125,808.85
Nov.	1	24,500	----------	24,500	10.04	--------	10.04	154,604.28	----------	154,604.28
	133–2	3,264,625	----------	3,264,625	1,337.83	--------	1,337.83	20,601,020.31	----------	20,601,020.31

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STREET WATERING.

Double Team No. 33. Capacity 600 Gals.

Loads per day—Fresh, 20; Salt, None. Gallons used per day—Fresh, 12,000; Salt, None.

1908.	Days Wat'd	Totals. Gallons of water used. Fresh	Salt	Total	Mileage of Streets Watered. Fresh	Salt	Total	Area of Streets Watered. Sq. yds. Fresh	Sq. yds. Salt	Sq.yds. Total
July	13–4	162,000	----------	162,000	103.82	--------	103.82	2,368,819.89	----------	2,368,819.89
Aug.	19–4	234,000	----------	234,000	149.96	--------	149.96	3,421,628.73	----------	3,421,628.73
Sept.	14	168,000	----------	168,000	107.66	--------	107.66	2,456,553.96	----------	2,456,553.96
	47	564,000	----------	564,000	361.44	--------	361.44	8,247,002.58	----------	8,247,002.58

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SUMMARY OF STREET WATERING.

Cart.	Days.	Gallons of water used. Fresh	Salt	Total	Mileage of Streets Watered. Fresh	Salt	Total	Area of Streets Watered. Sq. yds. Fresh	Sq. yds. Salt	Sq.yds. Total
No. 25	129-2	2,636,700	155,100	2,791,800	1,415.29	394.21	1,809.50	21,961,239.74	5,554,642.83	27,515,882.57
No. 27	134-6	3,234,000	----------	3,234,000	1,642.61	--------	1,642.61	23,811,413.78	----------	23,811,413.78
No. 28	122-4	2,205,000	294,000	2,499,000	541.46	60.04	601.50	10,315,137.00	2,123,331.70	12,438,468.70
No. 29	111-4	2,408,400	----------	2,408,400	1,314.59	--------	1,314.59	19,948,832.95	----------	19,948,832.95
No. 30	105-6	1,142,100	444,150	1,586,250	417.71	225.25	642.96	6,390,043.17	4,230,000.00	10,620,043.17
No. 31	106-4	----------	766,800	766,800	--------	747.65	747.65	----------	14,042,095.31	14,042,095.31
No. 32	133-2	3,264,625	----------	3,264,625	1,337.83	--------	1,337.83	20,601,020.31	----------	20,601,020.31
No. 33	47	564,000	----------	564,000	361.44	--------	361.44	8,247,002.58	----------	8,247,002.58
No. 10	101-6	1,780,625	----------	1,780,625	904.56	--------	904.56	10,719,189.53	----------	10,719,189.53
No. 14	87-6	1,167,075	----------	1,167,075	565.99	--------	565.99	6,092,129.76	----------	6,092,129.76
No. 16	131	1,879,850	----------	1,879,850	806.96	--------	806.96	11,052,035.08	----------	11,052,035.08
No. 17	119	1,606,500	----------	1,606,500	1,201.91	--------	1,201.91	13,005,831.30	----------	13,005,831.30
No. 18	109-2	1,911,875	----------	1,911,875	860.89	--------	860.89	13,361,235.67	----------	13,361,235.67
No. 19	96-6	1,219,050	----------	1,219,050	651.13	--------	651.13	6,962,426.07	----------	6,962,426.07
No. 20	108-6	1,468,125	----------	1,468,125	780.84	--------	780.84	9,737,399.55	----------	9,737,399.55
No. 22	102-2	1,165,650	----------	1,165,650	725.95	--------	725.95	7,169,798.63	----------	7,169,798.63
No. 36	116-4	1,386,350	81,550	1,467,900	702.51	45.44	747.95	7,030,409.20	386,724.08	7,417,133.28
No. 37	113-6	1,313,813	119,438	1,433,251	775.78	295.75	1,071.53	8,009,826.83	3,868,392.96	11,878,219.79
	1977-2	30,353,738	1,861,038	32,214,776	15,007.45	1,768.34	16,775.79	204,414,971.15	30,205,186.88	234,620,158.03

COMPARATIVE STATEMENT OF STREET WATERING.

Year.	Days.	Gallons of Water Used. Fresh	Salt	Total	Mileage of Streets Watered. Fresh	Salt	Total	Area of Streets Watered. Fresh	Salt	Total
1907	1973-2	29,622,914	2,245,075	31,867,989	14,918.61	1,812.24	16,730.85	202,983,848.35	30,867,466.84	233,851,315.19
1908	1977-2	30,353,738	1,861,038	32,214,776	15,007.45	1,768.34	16,775.79	204,414,971.15	30,205,186.88	234,620,158.03

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WATERING WITH SALT WATER.

During the past two years I have been making the dust-laying problem a special study and have used various kinds of preparations to obtain a satisfactory result. Upon careful and thorough observations and investigations, I have come to the conclusion that we have an ample supply or I might say, "Oceans of supply" of what I consider the best dust-laying material in existence today, the salt sea water which surrounds us.

Salt Sea Water is not only a first-class dustlayer but is an excellent preserver of macadam roadbeds and in the latter respect I would respectfully refer you to the macadam roadbed of Ocean Avenue, one of our most popular drives. This roadbed has been treated with salt sea water for a score of years with excellent results and the expense of keeping this roadbed in repair has been exceedingly small, and which is entirely due to the use of salt sea water upon the same. The cost of repairs for the past fifteen years to this roadbed has been as follows, viz.:

1894	$845.00
1895	404.57
1896	966.95
1897	824.77
1898	758.96
1899	960.97
1900	607.95
1901	963.57
1902	769.98
1903	223.30
1904	285.24
1905	315.37
1906	230.55
1907	206.48
1908	889.98
Total	$9,253.64

Ocean Avenue is about 20,361 feet or 3.85 miles in length and the macadam roadbed is on an average of 32 feet in width, making a total area of 72,394.66 square yards and owing to the effective application of salt sea water the cost of maintaining this macadam roadbed in good repair for the past fifteen years has been only $2,403.52 per mile or an average of $0.127 per square yard. This is conclusive evidence that salt sea water is superior to any other material used for dustlaying. Washington Square is also treated with salt sea water and you no doubt have noticed how free this roadbed is from dust during the summer season, also, how the wearing surface is retained. I therefore heartily and impartially recommend the universal use of salt sea water on our macadam roadbeds.

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APPLYING DUSTOLINE.

This is the second year that we have applied dustoline to the roadbeds of certain streets, and we have used, during the past season three tank cars containing 24,219 gallons of the material.

The excellent result derived from the use of dustoline, is the fact, that it keeps the dust laid continually, while the effect of fresh water is temporary. Salt Sea Water is far superior to fresh water as a dust layer and can be applied much more economically than dustoline, because we have an ample supply of salt sea water constantly on hand, which costs us nothing with the exception of installing pumping stations, etc.

Dustoline in good dry weather will keep the dust laid for a period of from six to eight weeks. The life of the material is very much shortened, however, by heavy rain falls.

Under weather conditions as we experienced last summer, the cost of applying dustoline to a 20-foot roadbed was about $225.83 per mile for the season, which is $86.29 per mile less than last year. The reason for this difference in cost is accounted for, by the fact, that some of the streets which were treated last year did not require so heavy an application of the material this year.

The total cost of dustlaying this year is as follows: Watering, $10,606.30; Applying of Dustoline, $1,919.59; making a total cost of $12,525.89.

Two hundred dollars ($200.00) was donated this year toward the expense of applying dustoline.

The following is full and complete statistics in relation to the applying of dustoline, which has been carefully prepared by this office, viz.:

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FIRST CAR OF DUSTOLINE.

First Application. June 2 and 3, 1908.

Street or Avenue.	Square Yards	Average Gal. per Sq. Yards	Gallons Used	Cost per Gallon Applied	Total Cost
Bellevue Ave., Kay St. to Bailey's Beach	40,163	.107	4,291	[illegible]	[illegible]
Broadway, Equality Park to One Mile Corner	23,943	.112	2,700	[illegible]	[illegible]
	64,108		7,091		[illegible]

Average cost per square yard, .0086.

FIRST CAR OF DUSTOLINE.

Second Application. June 15, 1908.

Street or Avenue.	Square Yards.	Average Gal. per Sq. Yards.	Gallons Used	Cost per Gallon Applied	Total Cost
Bellevue Ave., Kay St. to East Bowery St.	7,961	.067	540	.07028	[illegible]
Broadway, Equality Park to One Mile Corner	23,945	.022	540	.07028	[illegible]
	31,906		1,080		[illegible]

Average cost per square yard, .0026.

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SECOND CAR OF DUSTOLINE.

First Application. June 17, 18 and 19, 1908.

Street or Avenue.	Square Yards.	Average Gal. per Sq. Yards.	Gallons Used.	Cost per Gallon Applied.	Total Cost.
Third St., Bridge St. to Training Station Road	10,389	.0904	940	.07925	$74.49
Bridge St., Washington St. to Thames St.	2,629	.153	404	.07925	32.08
Sayers Wharf	1,625	.083	135	.07925	10.70
Government Wharf	1,706	.157	268	.07925	21.24
Kinsley Wharf	1,057	.127	135	.07925	10.70
Market Square, Ferry Wharf and Newman's Wharf	600	.446	268	.07925	21.24
Whittier Ave., 100 ft., Thames St., west	156	.0705	11	.07925	.87
Dennis Ave., 100 ft., Thames St., west	133	.067	9	.07925	.71
Wilcox Ct., 100 ft., Thames St., west	111	.072	8	.07925	.63
Sherman's Wharf, 100 ft., Thames St., west	166	.066	11	.07925	.87
Swinburne's Wharf, 100 ft., Thames St., west	156	.0705	11	.07925	.87
Champlin's Wharf, 100 ft., Thames St., west	111	.072	8	.07925	.63
Bull's Wharf, 100 ft., Thames St., west	167	.065	11	.07925	.87
Lopez Wharf, 100 ft., Thames St., west	178	.067	12	.07925	.95
Bowen's Wharf, 100 ft., Thames St., west	211	.071	15	.07925	1.19
Scott's Wharf, 100 ft., Thames St., west	200	.07	14	.07925	1.11
Cotton Court	360	.069	25	.07925	1.98

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SECOND CAR OF DUSTOLINE.

First Application. June 17, 18 and 19, 1908.

Street or Avenue.	Square Yards.	Average Gal. per Sq. Yards.	Gallons Used.	Cost per Gallon Applied.	Total Cost.
Langley's Wharf, 150 ft., Thames St., west	533	.138	74	.07925	$5.87
Hammett's Wharf, 150 ft., Thames St., west	183	.136	25	.07925	1.98
Sheffield's Wharf, 150 ft., Thames St., west	300	.136	41	.07925	3.25
Perry Mill Wharf, 150 ft., Thames St., west	550	.138	76	.07925	6.02
Bailey Court, 150 ft., Thames St., west	283	.137	39	.07925	3.09
Taylor Court, 150 ft., Thames St., west	383	.138	53	.07925	4.20
Brown & Howard's Wharf, 150 ft., Thames St., west	417	.139	58	.07925	4.60
Lee's Wharf, 150 ft., Thames St., west	417	.139	58	.07925	4.60
West Howard St., 150 ft., Thames St., west	350	.137	48	.07925	3.80
Spring Wharf, 150 ft., Thames St., west	467	.139	65	.07925	5.17
Commercial Wharf, north and south and between	6,725	.059	403	.07925	31.94
Coddington Wharf, 300 ft., Thames St., west	533	.073	39	.07925	3.09
Harrington St., 300 ft., Thames St., west	800	.073	59	.07925	4.68
Goodwin St., 300 ft., Thames St., west	700	.074	52	.07925	4.12
West Extension St., 300 ft., Thames St., west	867	.073	64	.07925	5.07
Waite's Wharf, 300 ft., Thames St., west	733	.073	54	.07925	4.28
East Bowery St., Bellevue Ave. to Middleton Ave.	3,522	.114	403	.07925	31.94

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SECOND CAR OF DUSTOLINE.

First Application. June 17, 18 and 19, 1908.

Street or Avenue.	Square Yards.	Average Gal. per Sq. Yards.	Gallons Used.	Cost per Gallon Applied.	Total Cost.
Bath Road, Bellevue Ave. to Cliff Ave.	8,267	.113	940	.07925	$74.49
Bath Road, foot of hill to Pavilion	5,588	.096	537	.07925	42.56
Old Beach Road, Bellevue Ave. to Gibb's Ave.	7,327	.073	537	.07925	42.56
Morton Ave.	4,225	.095	403	.07925	31.94
Chapel Place, Old Beach Road, south	727	.136	99	.07925	7.84
Redcross Ave., Old Beach Road, south	2,000	.018	36	.07925	2.85
Gould St.	1,927	.1105	213	.07925	16.88
Tilley Ave.	1,572	.110	173	.07925	13.71
Congdon Ave.	1,365	.1106	151	.07925	11.97
Kay St., Boulevard, Gibbs Ave. to foot of hill	5,166	.103	537	.07925	42.56
	75,882		7,522		$596.19

Average cost per square yard, .0078.

SECOND CAR OF DUSTOLINE.

Third Application. July 10, 1908.

Street or Avenue.	Square Yards.	Average Gal. per Sq. Yards.	Gallons Used.	Cost per Gallon Applied.	Total Cost.
Broadway, Equality Park to One Mile Corner (24 ft. wide)	23,945	.022	537	.07925	$42.56

Average cost per square yard, .0017.

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THIRD CAR OF DUSTOLINE.

First Application. July 28, 1908.

Street or Avenue.	Square Yards.	Average Gal. per Sq. Yards.	Gallons Used.	Cost per Gallon Applied.	Total Cost.
Third St., Bridge St. to Training Station Road	10,389	.041	432	.07925	$34.24
Bridge St., Washington St. to Thames St.	2,629	.028	75	.07925	5.95
Old Beach Road, Bellevue Ave. to Gibbs Ave.	7,327	.058	432	.07925	34.24
Chapel Place, Old Beach Road, south	727	.052	38	.07925	3.01
Redcross Ave., Old Beach Road, south	2,000	.053	106	.07925	8.40
East Bowery St., Bellevue Ave. to Middleton Ave.	3,522	.0408	144	.07925	11.41
Morton Ave.	4,225	.0504	213	.07925	16.88
Harrington St., 300 ft., Thames St., west	800	.05	40	.07925	3.17
Goodwin St., 300 ft., Thames St., west	700	.05	35	.07925	2.78
Gould St.	1,927	.059	114	.07925	9.04
Tilley Ave.	1,572	.059	93	.07925	7.37
Congdon Ave.	1,365	.059	81	.07925	6.42
Market Square, Ferry Wharf and Newman's Wharf	600	.24	144	.07925	11.41
Cotton Court	360	.094	34	.07925	2.70
Lopez Wharf, 100 ft., Thames St., west	178	.095	17	.07925	1.35
Bull's Wharf, 100 ft., Thames St., west	167	.095	16	.07925	1.27
Champlin's Wharf, 100 ft., Thames St., west	111	.09	10	.07925	.79

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THIRD CAR OF DUSTOLINE.

Second Application. July 28, 1908.

Street or Avenue.	Square Yards.	Average Gal. per Sq. Yards.	Gallons Used.	Cost per Gallon Applied.	Total Cost.
Elm St.	2,416	.028	69	.07925	$5.47
Dresser St.	2,053	.0701	144	.07925	11.41
Church St., 300 ft., Bellevue Ave., west (July 31)	567	.118	67	.07925	5.31
Mill St., 300 ft., Bellevue Ave., west (July 31)	567	.118	67	.07925	5.31
Pelham St., 300 ft., Bellevue Ave., west (July 31)	633	.118	75	.07925	5.95
Touro Park, west 200 ft. (July 31)	444	.119	53	.07925	4.20
John St., 300 ft., Bellevue Ave., west (July 31)	467	.117	55	.07925	4.36
Thomas St., John St. to Levin St. (200 ft.) (July 31)	267	.119	32	.07925	2.54
Levin St., 300 ft., Bellevue Ave., west (July 31)	500	.118	59	.07925	4.68
William St., 300 ft., Bellevue Ave., west (July 31)	400	.12	48	.07925	3.81
Bliss Road, Almy Ct. to Middletown Line (July 31)	3,833	.15	575	.07925	45.57
Ledge Road, (August 3)	7,050	.102	720	.07925	57.06
Lake View Ave. (August 10)	1,813	.079	144	.07925	11.41
Northam Lane (August 10)	1,000	.04	40	.07925	3.17
	22,010		2,148		$170.25

Average cost per square yard, .0077.

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THIRD CAR OF DUSTOLINE.

Second Application. July 28, 1908.

Street or Avenue.	Square Yards.	Average Gal. per Sq. Yards.	Gallons Used.	Cost per Gallon Applied.	Total Cost.
Swinburne's Wharf, 100 ft., Thames St., west	156	.096	15	.07925	$1.19
Sherman's Wharf, 100 ft., Thames St., west	166	.0903	15	.07925	1.19
Wilcox Court, 100 ft., Thames St., west	111	.09	10	.07925	.79
Dennis Ave., 100 ft., Thames St., west	133	.0902	12	.07925	.95
Whittier Ave., 100 ft., Thames St., west	156	.096	15	.07925	1.19
Bath Road (July 30)	13,855	.041	575	.07925	45.57
Bowen's Wharf, 100 ft., Thames St., west (July 30)	211	.037	8	.07925	.63
Scott's Wharf, 100 ft., Thames St., west (July 30)	200	.04	8	.07925	.63
North Commercial Wharf (July 30)	3,206	.039	126	.07925	9.99
Kinsley's Wharf (July 30)	1,057	.039	42	.07925	3.33
Sayer's Wharf (July 30)	1,625	.039	64	.07925	5.07
South Commercial Wharf (July 30)	3,340	.043	144	.07925	11.41
Langley's Wharf, 150 ft., Thames St., west (July 30)	533	.0806	43	.07925	3.41
Hammett's Wharf, 150 ft., Thames St., west (July 30)	183	.0806	15	.07925	1.19
Perry Mill Wharf, 150 ft., Thames St., west (July 30)	550	.081	45	.07925	3.57
Bailey Court, 150 ft., Thames St., west (July 30)	283	.0806	23	.07925	1.82
Brown & Howard's Wharf, 150 ft., Thames St., west	417	.081	34	.07925	2.70

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THIRD CAR OF DUSTOLINE.

Second Application. July 30, 1908.

Street or Avenue.	Square Yards.	Average Gal. per Sq. Yards.	Gallons Used.	Cost per Gallon Applied.	Total Cost.
Lee's Wharf, 150 ft., Thames St., west	417	.081	34	.07925	$2.70
West Howard St., 150 ft., Thames St., west	350	.08	28	.07925	2.22
Spring Wharf, 150 ft., Thames St., west	467	.081	38	.07925	3.01
West Extension St., 300 ft., Thames St., west	867	.0807	70	.07925	5.54
Waite's Wharf, 300 ft., Thames St., west	733	.0804	59	.07925	4.68
Coddington Wharf, 300 ft., Thames St., west	533	.0806	43	.07925	3.41
Kay St. Boulevard, 300 ft. (July 31)	1,000	.119	119	.07925	9.43
	69,148			3,609	$286.05

Average cost per square yard, .0041.

THIRD CAR OF DUSTOLINE.

Third Application. July 30, 1908.

Street or Avenue.	Square Yards.	Average Gal. per Sq. Yards.	Gallons Used.	Cost per Gallon Applied.	Total Cost.
Third St., Bridge St. to Training Station Road	10,389	.027	288	.07925	$22.83
Bellevue Ave., Kay St. to Bancroft Ave.	26,911	.021	575	.07925	45.57
	37,300		863		$68.40

Average cost per square yard, .0018.

THIRD CAR OF DUSTOLINE.

Fourth Application. August 3, 1908.

Street or Avenue.	Square Yards.	Average Gal. per Sq. Yards.	Gallons Used.	Cost per Gallon Applied.	Total Cost.
Bellevue Ave., Kay St. to Bancroft Ave.	26,911	.016	432	.07925	$34.24
Broadway, Equality Park to One Mile Corner	23,945	.03	719	.07925	56.98
Third St., Bridge St. to Training Station Road	10,389	.027	288	.07925	22.83
	61,245		1,439		$114.05

Average cost per square yard, .0018.

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431 Ralph R.
432 Alex N. Ba
433 Wm. B. Sc
434 Chas. S. G
435 John E. Le
436 P. F. Clark
437 Shreenan &
438 George W.
439 Jacob Mohr
440 M. F. Shea
441 Jas. H. Ha
442 H. H. Lawt
443 George W.
444 James J. D
445 J. M. K. So
446 G. H. Burnh
447 Daniel Bear
Pay roll ...

448 James J. D
449 George F. Ki
450 Cornelius Ha
451 J. J. Connell,
452 D. J. Sullivan,
453 Wm. K. Cove
454 Alex J. Flud
455 Newport Gas
456 John E. Ledd
457 Daniel Beard,
458 Simon Hart,
459 H. H. Lawton
460 George W. Ca
461 P. F. Clark &
462 Shreenan & S
463 W. F. Gratrix,
464 Alex N. Barke
465 Wm. B. Scott
466 J. Irving Shep
467 Newport Coal
468 H. L. Marsh &
469 J. K. Sullivan,
470 James J. Dugar
471 M. F. Shea, car
472 J. Stacy Brown
Pay roll .....

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Third St., Bridge St. to Training Station Road	10,285	.027	285	.07925	4.[illegible]
Bellevue Ave., Kay St. to Bancroft Ave.	26,911	.021	575	.07925	45.57
	37,300		863		$68.46

Average cost per square yard, .0018.

THIRD CAR OF DUSTOLINE.

Fourth Application. August 3, 1908.

Street or Avenue.	Square Yards.	Average Gal. per Sq. Yards.	Gallons Used.	Cost per Gallon Applied.	Total Cost.
Bellevue Ave., Kay St. to Bancroft Ave.	26,911	.016	432	.07925	$34.24
Broadway, Equality Park to One Mile Corner	23,945	.03	719	.07925	56.98
Third St., Bridge St. to Training Station Road	[illegible]	[illegible]	288	.07925	22.83

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QUARRY AND CRUSHER.

The work of quarrying and crushing stone commenced on the 9th day of March and continued until the 3rd day of September. The weigher was continued at work until October 10th, when the plant was closed for the winter.

The amount of stone quarried and crushed during the season is as follows: Ledge stone, 5 tons; crushed stone, 8,446 tons; making a total production of 8,451 tons.

The cost of quarrying and crushing stone this year was $0.983 per ton, which is just one cent more per ton than last year; this is accounted for, to a certain extent, by the half-holiday which was granted to the employees of the department by a resolution passed by your Honorable Body. However, the expense of quarrying and crushing stone has been very much reduced during the past two years by the use of steam drills. The cost in former years was from $1.16 to $1.20 per ton when the stone was quarried by hand drills.

STEAM ROAD ROLLERS.

The re-macadamizing and re-surfacing of streets commenced on the 30th day of March and continued until the 10th day of October when the work was shut down because the appropriation for this purpose was exhausted.

Steam Roller No. 3 was retired on the 13th day of July because the amount of the appropriation did not warrant the continuance of its use. Steam Rollers No. 1 and No. 2 were retired on October 10th.

The rollers were then taken apart, thoroughly cleaned and oiled and made ready to put together again for next season's work.

TARVIA "A".

This department has again this year, although in a different manner, applied a coal tar appropriation called "Tarvia" to certain streets. Tarvia "A" which is heated before applying was used on the quarters of roadbeds and is an excellent preventative from washouts on our steep grade streets, which is caused by very heavy rain falls. The total cost for applying this material was $329.90 and we covered an area of about 851.6 square yards, making an average cost of $0.386 per square yd. The following is a list of streets which were tested with tarvia "A", viz.:

Cannon Street	436 ft. x 2 ft.	96.8 Sq. Yds.
Perry Street	675 ft. x 2 ft.	150.0 "
Church Street	1,270 ft. x 2 ft.	282.2 "
Mary Street	425 ft. x 2 ft.	94.4 "
Mann Avenue	1,027 ft. x 2 ft.	228.2 "
Total	3,833 ft. x 2 ft.	851.6 Sq. Yds.

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TARVIA "B".

Tarvia "B" which was first used this season is applied cold and with ordinary watering cart. The roadbed is first swept clean, the material is then applied and covered with a light coat of coarse sand or fine trap rock. This material makes an excellent dustlayer and preserver of macadam roadbeds, and I recommend a continuance of its use next season, especially upon our steep grade streets. The total cost of applying tarvia "B" this year was $461.54 and about 12,900.4 square yards of surface was covered, making an average cost of $0.036 per square yard. The following is a complete list of the streets which were treated with Tarvia "B" viz.:

		Sq. Yds.
Webster Street (Thames to Spring	894 ft. x 22 ft.	2185.3
Carey Street	856 ft. x 20 ft.	1902.2
Dearborn Street	594 ft. x 22 ft.	1452.0
Bull Street	1139 ft. x 17 ft.	2151.4
Mann Avenue	1027 ft. x 21 ft.	2396.3
Old Beach Road (Gibbs Ave., east)	670 ft. x 24 ft.	1786.6
Catherine Street (Gibbs to Eustis)	420 ft. x 22 ft.	1026.6
		12900.4

THAMES STREET PAVEMENT.

Thames Street has at last received a good durable pavement and the only kind of pavement that will resist the heavy traffic which this street constantly receives.

The work was started on April 2nd and the pavement was fully completed on June 24th, which I consider a remarkable short time for the construction of such a large proportion and I also desire to commend the contractors and the employees of the department for the first class workmanlike manner in which the pavement is constructed.

The excavation, repairs to man-holes, resetting curbs, relaying crossings, etc., and the grouting of the finished pavement was performed by this department.

The Hassam Foundation was laid under the supervision of Simpson Brothers Corporation of Boston, Mass., for the sum of Thirty (30) cents per square yard; they furnishing a superintendent, a Hassam Grout Mixer, a steam roller, man to operate same, also to keep their machinery in repair; the city of Newport to furnish all other materials and labor in the construction of the foundation, also to furnish all fuel, oil and gasoline for the roller and mixer.

The laying of the Granite Block Paving was laid under contract by Mr. August J. Langefeld of Barre, Vermont for the sum of Twenty-seven (27) cents per square yard; the contractor furnishing

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all expert labor and the City of Newport furnishing all materials and ordinary labor.

The Granite Blocks were furnished by Messrs. Hooper, Havey & Company of North Sullivan, Maine, and Messrs. Booth Brothers & Hurricane Isle Granite Company of New York, N. Y.; the former furnished 4,410 square yards of granite blocks at $1.42 per square yard; the latter furnished 4,554.2 sqquare yards of granite blocks at $1.40 per square yard and 8,649 square yards of granite blocks at $1.37 per square yard.

Messrs. Friend and Maguire of this city furnished under contract the Alpha Brand of Portland Cement for the sum of $1.34 per barrel, in paper bags; they also received five cents per barrel for delivery from the cars and ten cents per barrel for delivery from their yard. They furnished 2,586¼ barrels of cement.

The gravel was furnished by Mr. J. K. Sullivan, who received the contract for furnishing gravel to the department during the municipal year of 1908.

The 3,045 tons of crushed stone which was used in the construction of the foundation was furnished from the city quarry.

The total cost of Thames Street Pavement is $60,616.17 less the sum of $500.15 which was received from the sale of Asphalt Blocks, making the net cost of the pavement to be $60,116.02 or $8,883.98 less than the estimate.

The sum of $452.55 which was expended for repairs to manholes, man-hole covers, resetting curbs and crossings was not included in the estimate but was paid for out of the appropriation.

The following streets were covered with the material taken from Thames Street excavation, viz.: West Narragansett Avenue, from Marchant to Roseneath Avenue; Marchant Street; Slocum Street, from East Bowery to Middleton Avenue; Gardiner Street; Van Zandt Avenue, from Second Street, west; Ashurst Place and West Street; covering a total area of 11,324.3 square yards.

About seventy (70) thousand hard bricks which were taken from the gutters of lower Thames Street will be quite a saving to the department in the building of catch basins and other work; these brick are worth at least $6.00 per thousand.

Taking into consideration the amount received from the sale of the Asphalt Blocks, the estimated value placed upon the brick and the covering of 11,000 square yards of area in re-surfacing of streets, it would materially reduce the cost of the pavement at least $3,000.00.

We have on hand about thirteen thousand granite blocks belonging to Messrs. Hooper, Havey & Company of North Sullivan, Maine, which will have to be paid for from some other source than the appropriation for Thames Street Pavement.

The cost per square yard and total cost for laying the completed pavement is as follows, viz.:

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	Sq. Yds.	Cost per Sq. Yd.	Total cost.
Excavation, etc.	17,613.3	$0.278	$4,904.29
Foundation	17,212.8	0.876	15,087.83
Block paving and grouting ..	17,613.2	2.306	40,624.05
Total		$3.45	$60,616.17

I take pleasure in submitting the following detailed report of Thames Street Pavement, viz.;

4,410 sq. yds. granite blocks @ $1.42	$6,262.20	
4,554.2 sq. yds. granite blocks @ 1.40	6,375.88	
8,649 sq. yds. granite blocks @ 1.37	11,849.13	
17,613.2 sq. yds. granite blocks	$24,487.21	
Towage and lightering	60.00	
Wharfage	743.75	
		$25,290.96
3,821-5 tons gravel @ 91c	3,477.11	
Wharfage on 2,991-215 tons gravel @ 10c	299.11	
Weighing gravel	128.90	
		3,905.12
2586¼ bbls. Portland Cement @ $1.34	3,465.57	
Ctg. of 2,174½ bbls. cement from cars @ 5c. ..	108.73	
Ctg. of 369 bbls. cement from yard @ 10c. ..	36.90	
Labor allowed for bagging cement	30.00	
Car demurrage allowed	13.00	
		3,654.20
17,212.8 sq. yds. Hassam Foundation @ 30c ..		5,163.84
17,613.2 sq. yds. laying granite blocks @ 27c ..	4,755.57	
3.0 sq. yds. laying granite blocks @ 27c ..	.95	
		4,756.52
3,045 tons crushed stone (from city quarry) ..	3,045.00	
Paid J. Stacy Brown for above stone @ 9½c ..	289.29	
Paid for cartage of above stone	1,484.87	
		4,819.16
Lumber and cartage		164.09
90-1250 tons trap rock	181.25	
102¼ days city teams	204.50	
6 days steam roller	23.64	
		409.39
Other materials such as shovels, picks, hard-pan plow, gasoline, kerosene, red lanterns, wheelbarrows, man-hole covers and rims, fuel for roller, etc.		717.56
Labor paid as per pay rolls, viz.:		
Excavation	$4,240.46	
Foundation	1,626.73	
Block paving and grouting	5,645.76	
Crossings, reset curbs, man-hole covers and rims, etc. (setting)	222.38	11,735.33
Total		$60,616.17

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Receipts.

Appropriation	$69,000.00
Amount received for sale of asphalt blocks and deposited with City Treasurer from time to time	500.15
	$69,500.15

Disbursements.

By paid for materials	$24,697.89
By paid for labor	35,918.28
By balance unexpended	8,883.98
	$69,500.15

Further details of expenditure is as follows, viz.:

DETAILED EXPENDITURES OF THAMES STREET PAVEMENT.

1	Fuller Iron Works, manhole covers and rims	$108.00
2	Freight on manhole covers and rims	3.52
3	Alex N. Barker & Co., lumber, etc.	5.10
4	Freight of blocks	315.52
5	Freight of blocks	304.42
6	Freight of blocks	295.28
7	Freight of blocks	800.00
8	John H. Sullivan, cartage crushed stone	100.00
9	Freight of blocks	301.50
10	August J. Langefeld, laying block paving	324.00
11	Freight of blocks	450.00
12	Freight of blocks	241.55
13	August J. Langefeld, laying block paving	481.55
14	George A. Weaver Co., wheelbarrows, etc	85.78
15	Standard Oil Co., gasoline	6.00
16	Simpson Bros. Corp., laying Hassam foundation	1,316.64
17	William B. Scott & Co., gasoline, etc.	1.70
18	The Peckham Co., shovels, etc.	18.00
19	J. K. Sullivan, gravel	752.32
20	D. J. Sullivan & Co., weighing gravel	15.40
21	Alex N. Barker & Co., lumber, iron bars, etc.	18.40
22	J. D. Johnston, lumber	164.09
23	D. E. Sullivan, can	1.50
24	Waldo Brothers, screens	11,50
25	Newport Foundry & Machine Corp., brass tags	.75
26	Newport Water Works, nipples, etc.	2.10
27	E. S. Peckham, fuel	18.06
28	Western Union Telegraph Co., telegram	.89
29	Express and telegram	3.33
30	Friend & Maguire, cement	981.92
31	T. T. Pitman, advertising	4.50
32	Herald Publishing Co., advertising	4.50
33	John H. Sullivan, crushed stone, cartage	423.01
34	J. Stacy Brown, stone	101.78
35	E. F. Hughes, canvas	3.00
36	Hooper, Havey & Co., granite blocks	1,393.02
37	August J. Langefeld, laying block paving	515.78
38	Freight of blocks	237.50
39	August J. Langefeld, laying block paving	321.00

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40	Freight of blocks	390.00
41	August J. Langefeld, laying block paving	506.57
42	Freight of blocks	300.00
43	Freight of blocks	680.00
44	Freight of blocks	450.00
45	August J. Langefeld, laying block pavement	407.85
46	Alex N. Barker & Co., hose	9.00
47	William K. Covell, iron pails, etc.	4.55
48	Friend & Maguire, cement	1,525.90
49	Fuller Iron Works, manhole covers and rims	108.00
50	James H. Hart, paint	1.00
51	E. S. Peckham, fuel	27.09
52	Providence Telephone Co., toll calls	3.10
53	A. & H. G. Hammett, picks, iron bars, etc.	12.88
54	Standard Oil Co., gasoline	9.60
55	Perrin, Seamans & Co., lantern globes	7.50
56	Ames Plow Co., plow	20.84
57	George A. Weaver Co., poultry netting	3.00
58	J. K. Sullivan, wire, etc.	11.90
59	Western Union Telegraph Co., telegram	.69
60	William B. Scott & Co., shovels	13.00
61	John H. Sullivan, cartage crushed stone	522.30
62	J. Stacy Brown, stone	103.38
63	Freight, manhole covers and rims	3.20
64	Simpson Bros. Corp., laying Hassam foundation	1,847.83
65	J. K. Sullivan, gravel	1,785.30
66	D. J. Sullivan & Co., weighing gravel	77.00
67	J. J. Connell, kerosene	15.00
68	Booth Bros. & Hurricane Isle Granite Co., granite blocks	6,896.48
69	August J. Langefeld, laying block paving	416.36
70	August J. Langefeld, laying block paving	436.54
71	August J. Langefeld, laying block paving	361.56
72	August J. Langefeld, laying block paving	985.31
73	The Peckham Co., shovels and picks	16.75
74	William K. Covell, repairing watering pot	.75
75	M. F. Shea, sharpening tools, etc.	30.55
76	E. S. Peckham, fuel	18.89
77	Newport Engineering Works, repairing hydrant	.50
78	Postal Telegraph Cable Co., telegram	64
79	J. J. Dugan, cement bags	5.00
80	Standard Oil Co., gasoline	7.80
81	A. R. O'Hanley, oatmeal	1.00
82	D. J. Sullivan & Co., weighing gravel	36.50
83	Providence Telephone Co., toll calls	2.00
84	Hayman & Nason, contract replacing plate glass	30.00
85	J. J. Connell, kerosene	7.50
86	D. E. Sullivan, picks and handles	6.00
87	Hooper, Havey & Co., granite blocks	3,410.91
88	Booth Bros. & Hurricane Isle Granite Co., blocks	8,021.03
89	George A. Weaver Co., sand screens	9.00
90	Simpson Bros. Corp., laying Hassam foundation	1,999.37
91	Alex J. Fludder, pipe	1.40
92	J. K. Sullivan, gravel	1,238.60
93	Friend & Maguire, cement	1,157.38
94	Alex Booth, cement bags	16.00
95	John H. Sullivan, cartage crushed stone	439.56
96	J. Stacy Brown, stone	84.13

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97	G. H. Bloom, sharpening picks, etc.	5.80
98	J. K. Sullivan, towing schooners	35.00
99	J. J. Dugan, lightering blocks	25.00
100	Crushed stone, trap rock, etc.	3,454.39
101	Newport Gas Light Co., wharf granite blocks	743.75
	Pay rolls	11,735.33
		$60,616.17

BROADWAY AND SPRING STREET PAVEMENTS.

I again respectfully call the attention of your honorable body to the bitulithic pavements of Broadway and Spring Streets.

Warren Brothers Company contract with the city expired last August and the contractors made the necessary repairs at that time as called for in their contract agreement.

What the pavement really needs is to be re-surfaced and I have on file in this office a communication from Warren Brothers Company of Boston, Mass., under date of December 19th, 1908, wherein they agree to re-surface, repair and put the pavements in a first-class condition for the sum of 50 cents per square yard. There is about 20,752 square yards of bitulithic altogether, in both streets, which at the above price submitted would amount to $10,376.00, and deducting the amount that would have to be assumed by both railway companies it would reduce the net cost to the city to about $8,000.00.

I urgently recommend that the proposition of Warren Brothers Company be accepted and that the pavements be re-surfaced as soon as possible next year, because it would greatly preserve the life of the same. If neglected for another year the pavements will granulate, become full of holes, be dangerous to public travel and will cost the city nearly double the price that is now submitted, to repair the same.

Spring Street pavement in various places is now becoming full of holes and I will have to make temporary repairs to the same very soon.

STREETS RE-MACADAMIZED.

The following streets have been re-macadamized this year and full statistics of same will be found in another part of this report: East Street; Mill Street, from Spring to Bellevue Avenue; Narragansett Avenue, from Spring to Bellevue Avenue; Warner Street, from Farewell to Spruce Street; Van Zandt Avenue, from Second Street, west; Pope Street, from Spring Street, east; Brewer Street; Young Street; Bliss Road, from Broadway to Middletown line and Marlborough Street, from Thames Street to Broadway.

STREETS RE-SURFACED AND ROLLED.

The following streets have been re-surfaced and rolled and full statistics of same will be found in another part of this report:

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Third Street, from Battery Street to Training Station Road; Washington Square; Bridge Street; Harrison Avenue, near "Golf Club;" and Narragansett Avenue, from Thames to Spring Street.

BAILEY'S BEACH WATERING STATION.

The new tank that was to be located at Bailey's Beach was purchased under contract with Messrs. George A. Weaver & Company, they being the lowest bidders, for the sum of one hundred and ninety-eight ($198.00) dollars. Although the foundation was built the new tank was not placed in position because of the objections of the Spouting Rock Association.

I would suggest that some nearby location be determined upon before next year because Ocean Avenue at this point and other nearby roadbeds suffered severely from the non-use of salt sea water, last season.

EASTON'S BEACH.

During the summer and early fall a man is constantly employed clearing up the roadway, mowing the grass plat, etc., at Easton's Beach. The asphalt block sidewalk was repaired and the iron fence has been thoroughly scraped and repainted.

FORTY STEPS.

Extensive repairs were made this year at Forty Steps; the carpenter work was performed under contract with Mr. Thomas Lucas for the sum of ninety-nine 24-100 ($99.24) dollars. The iron hand rail has also been repaired and repainted by the employees of this department.

VAN ZANDT AVENUE PIER.

The pier at the end of Van Zandt Avenue has been repaired under contract with Mr. Thomas Lucas for the sum of forty-seven 89-100 ($47.89) dollars.

ANN STREET PIER.

Minor repairs were made to the Ann Street Pier.

ELM STREET PIER.

A granolithic sidewalk was built at the Elm Street Pier to take the place of the plank walk as I considered that granolithic was more economical in the course of time. The sidewalk was constructed by the employees of this department, is about 187 feet in length and cost $201.60. Other repairs were made to the pier by Messrs. Burbidge Company amounting to $36.00. Materials $10.58.

VAN ZANDT AVENUE BRIDGE.

The iron work underneath the Van Zandt Avenue Bridge has been thoroughly scraped and re-painted under contract with

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Mr. T. B. Dawley, the lowest bidder, for the sum of one hundred and eighty seven 91-100 ($187.91) dollars; other repairs to the bridge were made by the employees of this department.

EASTON'S BEACH BRIDGE.

Easton's Beach Bridge was repaired and the Town of Middletown reimbursed the city for one-half of the expense.

I would recommend that a good substantial bridge be built to replace this old out-of-date bridge. Prompt action should be taken in the matter to take all due precautions against any accident that might happen; the present bridge is a menace to public travel.

OTHER BRIDGES.

The bridges at Water Works Road, Malbone Avenue and the bridge on Ocean Avenue near "Goose Neck" were repaired.

CITY FOUNTAINS.

The various fountains located throughout the city were cleaned and repaired when needed, at an expense of $34.28.

TOURO STREET.

The roadbed of Touro Street has been repaired from time to time during the year at an expense of $87.24 and the department has been reimbursed from the Touro Street Fund.

I again recommend that a granolithic sidewalk be laid on the north side of Touro Street in front of the "Mall," as I consider the same dangerous to public travel.

COGGESHALL AVENUE IMPROVEMENT.

I again call your attention to the continuance of the improvement of Coggeshall Avenue, from Ruggles Avenue, south. I would recommend that the city appropriate the sum of $5,000.00 each year until the improvement of this highway is completed.

CLEANING SETTLING TANK.

The settling tank located on Briggs Wharf was thoroughly cleaned and the material towed to sea at an expense of $438.06.

I would recommend that a first-class centrifugal pump be installed so that this filthy tank can be cleaned without making it necessary for the men to enter the same.

SEWERS.

The following sewers were built to relieve the adjoining abutters of their house waste, viz.: Washington Street Extension; Extension Street; and Jury Court. The storm overflow at Harrison Avenue was also extended.

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SLOCUM STREET MACADAM.

Slocum Street from East Bowery Street to Middletown Avenue was macadamized and the expense of the work was considerably reduced by using in part, the material removed from the excavating of Thames Street. The appropriation was $800.00; expenditure $254.75, leaving a balance of $545.25, which was transferred to appropriation (h) for the re-macadamizing of streets, by resolution of your honorable body, passed September 11th, 1908.

GARDINER STREET REPAIRS.

Gardiner Street was repaired and put in an excellent condition; the roadbed of this street was also covered with the material taken from Thames Street. The sidewalk was also made with a grass border. The appropriation for this work was $400.00; the expense, $218.27, leaving a balance of $181.73, which was also transferred to appropriation (h) by resolution.

TRAINING STATION ROAD CROSSING.

This crossing on Training Station Road was placed at a point near the Cloyne School House; the appropriation was $40.00; the expenditure, $29.24, which left a balance of $10.76, which was also transferred to appropriation (h) by resolution.

GARFIELD STREET SEWER.

The sewer of Garfield Street was extended for a distance of fifty-five feet to accommodate certain taxpayers; the appropriation was $150.00; the expenditure $148.70, which left a balance of $1.30, which was also transferred to appropriation (h) by resolution.

BYRNES STREET SEWER.

The sewer in Byrnes Street was relaid where it was found necessary to do so; the appropriation was $350.00; the expense $294.64, leaving a balance of $55.36, which was also transferred to appropriation (h) by resolution.

OCEAN AVENUE SEA WALL.

In accordance with my suggestion which I made in my report of last year you made an appropriation for the building of a sea wall at the dangerous point on Ocean Avenue between "Kinney's" and Graves Point. Your appropriation of $1,250.00, however, only covered one-half of the estimated cost of the work. I suppose this was done with the expectation that you would receive an equal amount from the owners of the opposite property, The R. I. Kennedy Estate; but not receiving any assistance from this source, and the increasing danger that was being realized, not only to public travel, but to the roadbed of Ocean Avenue, your honorable body on November 27th, 1908, passed a resolution for an addi-

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tional appropriation of $1,250.00, making a total of $2,500.00 for the work.

The Honorable Board of Aldermen advertised for proposals for the building of the sea wall as per specifications prepared in this office, and they first awarded the contract to Messrs. Harris & O'Neill, the lowest bidders, for the sum of $5.00 per lineal foot; there being about 280 feet of wall to build, this would make a total cost of about $1,400.00; but Messrs. Harris & O'Neill withdrew their bid and the Honorable Board of Aldermen later awarded the contract to the next lowest bidders, Messrs, Morgan Brothers, for the lump sum of $1,866.00.

The building of the sea wall was commenced immediately and the filling in of the space between the wall and the roadbed will be done by this department. The decision of building this sea wall came so late in the season that the work could not be fully completed before the books of this department were closed. We have expended to date $2,024.61 upon the wall and filling; this includes Morgan Brothers' contract price and which will be held by the City Treasurer until the wall is completed and accepted. This leaves a balance of $475.39 to carry on the work of filling and which amount will have to be re-appropriated next year.

STATEMENT OF STONE QUARRIED AND CRUSHED DURING THE YEAR 1908.

	Ledge Tons.	Crushed Tons.
General repairs to streets	1	610
General repairs to sidewalks		173
Thames Street repairs		104
Cherry Street		23
Ocean Avenue		330
Broadway		64
Bellevue Avenue		80
Ridge Road		10
Harrison Avenue		292
West Narragansett Avenue		43
Marchant Street		28
Touro Street		1
Quarters of roadbeds with Tarvia "A"		26
Third Street		168
Narragansett Avenue		151
Bridge Street		218
Mill Street		92
Van Zandt Avenue		50
Ashurst Place		13
Bliss Road		1,543
Brewer Street		110
Young Street		182
Pope Street		104
East Street		40
Dearborn Street		241

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	Ledge Tons.	Crushed Tons.
Warner Street		253
Marlborough Street		281
Young Street	1	
Easton's Beach		1
Roller House floor		16
Whitfield Court	3	8
Slocum Street		47
Gardiner Street		30
Thames Street Pavement		3,045
Crusher, on hand December 19, 1908		96
City Yard, on hand December 19, 1908		143
	5	8,613
City Yard, on hand December 21, 1907		166
From Quarry during the year of 1908	5	8,351
On hand at Quarry December 19, 1908		96
	5	8,613

STATEMENT OF TRAP ROCK.

	Tons.	Pounds.
Thames Street Pavement	90	1,250
Narragansett Avenue	130	830
Bellevue Avenue	169	1,570
General repairs to streets	154	1,020
Charged to abutters	45	1,950
Touro Street	31	1,990
Roadbeds of certain streets with Tarvia "B"	9	720
Quarters of roadbeds with Tarvia "A"	20	870
Snow and Ice	25	000
Total purchased	795	1,400

Following will be found the usual tables, giving in detail the account of operations and expenditures of the department during the year.

Respectfully submitted,

J. K. SULLIVAN,
Street Commissioner.

SEWER PERMITS.

During the year 63 permits to connect with sewers were issued, making a total to date of 3,414 since the system was adopted in 1884.

The number and description of fixtures connected were as follows:—

	Previously reported.	1908.	Total.
Water closets	3,273	120	3,393
Laundry tubs	1,578	65	1,643
Sinks	4,169	75	4,244
Bath tubs	1,544	67	1,611
Cellar drains	1,480	38	1,518
Bowls	324	31	355
Land drains	106	4	110

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Roofs	675	39	714
Furnace pits	4	0	4
Stable fixtures	47	1	48
Families accommodated	3,163	65	4,228
Persons accommodated	5,276	195	5,471

New sewers have been laid in the following streets:—

Garfield Street, Extension	105 ft.	18-inch vit. pipe
Byrnes Street	285 ft.	8-inch vit. pipe
Washington Street Extension, sewer	139 ft.	8-inch vit. pipe
Extension Street, Extension	93 ft.	8-inch vit. pipe
Judy Court	315 ft.	8-inch vit. pipe
Harrison Avenue, Overflow	55 ft.	12-inch vit. pipe
	992 ft.	

NEW CATCH BASINS BUILT.

West Narragansett Ave. and Marchant St.	1
Simmons St. and Marchant St.	1
Lawrence Ave. and Sheppard Ave.	2
Carroll Ave. and Harrison Ave.	1
West Broadway at Benj. Easton's Stable	1
Total	6

CATCH BASINS AND EYES REPAIRED.

Thames St. at Cozzen's Ct.	1
Connection St. at Marchant St.	2
Connection St. at Marchant St. (Eye-hole)	1
Warner St. at Farewell St. (Eye-hole)	1
Gibbs Ave. at Catherine St.	1
Middleton Ave. at Weaver Ave.	1
Simmons St. at Marchant St.	1
Marsh St.	1
Bridge St. at Third St.	1
Extension St.	1
Green St.	1
Poplar St.	1
Ruggles Ave. at Bellevue Ave.	1
Kay St. at Bellevue Ave.	1
Carroll Ave. at Harrison Ave.	1
Total	16

SEWERS REPAIRED.

Young Street.
Ferry Wharf.
West Howard Street.
Church Street near Thames Street.
Coggeshall Avenue.
Broadway opposite Stone Street.
Frank Street.
Farewell Street near Broadway.

CULVERTS REPAIRED.

Harrison Avenue.
Morgan Court.
Champlin Street near Hunter Avenue.

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PERMITS FOR STREET AND SIDEWALK OPENINGS, ETC.

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	T't'ls
Laying gas services			1	3	3	5	3	1			1	2	19
Laying gas mains					2		2	1	1	1	1	1	9
Repairing gas mains								2				1	3
Repairing gas services									1			1	2
Placing gas lamps				1	1	2			1				5
Electric conduits			1			1		1		1			4
Telephone conduits			1	1				1		1	3		7
Repairing street railway tracks				1	1						1		3
Clearing drains			1	1	1		2	1	2	1		1	10
Repairing and relaying sewers	1		2	1			1	1				2	8
Rain water outlet										1			1
Use of sidewalk for building			3						3				6
Moving sheds									1				1
Laying driveways				1					1	1			3
Repairing curbs and gutters						1							1
													82

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STREETS RE-MACADAMIZED. Street or Avenue.	Tons Trap Rock	Tons Crushed Stone	Days Steam Roller	Avg. Depth Work	Length Feet	Width Feet	Sq.Yds.	Cost Per Sq.Yd.	Total Cost
East St.		40	3	3 in.	253	12	525	.184	$96.47
Mill St., Spring to Bellevue Ave.		92	11	3 in.	915	18	1,830	.153	279.46
Narragansett Ave., Spring to Bellevue.	74	142	24	4 in.	800	36	3,200	.211	673.75
Warner St., Farewell to Spruce St.		178	9	5 in.	1,100	15	1,833.3	.214	392.07
Van Zandt Ave., Second St., west		50	8	4 in.	450	24	1,200	.181	219.74
Pope St., Spring St., east		104	6½	4 in.	398	13	574.8	.413	237.33
Brewer St.		110	7½	4 in.	454	14	692.2	.376	260.24
Young St.		182	14½	5 in.	469	16	833.7	.537	448.00
Bliss Rd., B'way to Middletown Line		1,543	92	7 in.	2,975	25	8,263.8	.444	3,671.32
Dearborn St.		241	15	5 in.	594	22	1,452	.376	545.96
Marlborough St., Thames to Broadway.		281	15	6 in.	819	21	1,911	.322	615.81
	74	2,963	205½		9,227		22,315.8	.333	$7,440.15

STREETS RE-SURFACED AND ROLLED. Street or Avenue.	Tons Trap Rock	Tons Crushed Stone	Days Steam Roller	Length Feet	Width Feet	Sq.Yds.	Cost Per Sq.Yd.	Total Cost
Washington Square	72		6	650	60	4,333.3	.050	$216.39
Bridge St.		218	21	1,473	18	2,946	.191	563.00
Harrison Ave., near "Golf Club"		84	5	900	15	1,500	.131	196.40
Narragansett Ave., Spring to Thames St.	56	9	5	810	35	3,150	.069	217.20
Third St., Battery to Training Station Road.		168	21	3,822	15	6,370	.085	543.53
Warner St., Spruce to Pond Ave.		75	5½	315	15	525	.364	191.15
	128	554	63½	7,970		18,824.3	.105	$1,927.67

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NEW DRIVEWAYS PAVED.

Fair St. at C. Gladding's	15 ft. x 3 ft.
Broadway at J. S. Ramlose's	8 ft. x 3 ft.
Broadway at George Stanhope's	9 ft. x 3 ft.
Barney St. at Dr. Sullivan's	13 ft. x 3 ft. 6 in.
Bellevue Ave. at L. Q. Jones (2)	40 ft. x 2 ft. 6 in.

DRIVEWAYS REPAIRED.

Young St. at No. 7 Engine House	60 ft. x 14 ft.
Rhode Island Ave. at G. N. Weaver's	8 ft. x 6 ft.
Thames St. at Ann St. Pier	12 ft. x 2 ft.

NEW CROSSINGS LAID.

Training Station Road	25 ft. x 4 ft.
Broadway at Whitehall St.	15 ft. x 5 ft.

CROSSINGS RE-SET.

Elm St. and Cross St.	21 ft. x 6 ft.
Broadway at Brook's Ave.	40 ft. x 3 ft. 6 in.
Broadway at Friendship St.	42 ft. x 6 ft.
Broadway at Bliss Road	45 ft. x 6 ft.
Broadway at Gould St.	40 ft. x 7 ft.
Broadway at Rhode Island Ave.	40 ft. x 7 ft.
Broadway at Bay View Ave.	40 ft. x 7 ft.
Broadway at Powel Ave.	40 ft. x 7 ft.
Broadway at Calvert St.	45 ft. x 6 ft.
Broadway at Equality Park	38 ft. x 9 ft.
Cranston Ave. at Broadway	23 ft. x 7 ft.
Everett St. at Broadway	24 ft. x 10 ft.
Mann Ave. at Broadway	28 ft. x 10 ft.
Greenough Place at Ayrault St.	36 ft. x 9 ft.
Ayrault St. at Greenough Pl.	22 ft. x 6 ft.
Francis St. at Everett St. (north side)	21 ft. x 8 ft.
Francis St. at Everett St. (south side)	21 ft. x 8 ft.
Tyler St. at Rhode Island Ave.	15 ft. x 8 ft.
Rhode Island Ave. at Tyler St.	15 ft. x 7 ft.
Pelham St. at Channing Church	21 ft. x 9 ft.
Washington Square opp. Woman's Exchange	60 ft. x 6 ft.
Bellevue Ave. at Jones Ave.	40 ft. x 10 ft.
Mann Ave. at Kay St.	25 ft. x 6 ft.
Pelham St. at Corne' St.	21 ft. x 9 ft.
Mann Ave. at Broadway	28 ft. x 10 ft.
Tilden Ave. at White St.	30 ft. x 4 ft.
Tilden Ave. at Warner St.	21 ft. x 6 ft.
Thames St. at Brewer St.	28 ft. x 6 ft.
Thames St. at Bridge St.	42 ft. x 2 ft.
Thames St. at North Baptist St.	18 ft. x 4 ft.
Thames St. at Marlborough St.	27 ft. x 4 ft.
Thames St. at West Marlborough St.	51 ft. x 3 ft.
Thames St. at Wellington Ave.	63 ft. x 7 ft.
Thames St. at Richmond St.	33 ft. x 3 ft.
Thames St. at Dean Ave.	24 ft. x 2 ft.
Thames St. at Mill St.	27 ft. x 2 ft.
Thames St. at Market Square	22 ft. x 2 ft.
Thames St. at Perry Mill Wharf	35 ft. x 4 ft.

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Thames St. at Greene St.	30 ft. x 2 ft.
Thames St. at Holland St.	21 ft. x 3 ft.
Thames St. at Extension St.	15 ft. x 2 ft.
Thames St. at Pope St.	14 ft. x 2 ft.
Total, 42.	

NEW DOUBLE GUTTER.

Whitfield Court	310 ft. x 3 ft.

DOUBLE GUTTER REPAVED.

Tilden Ave. from West Broadway to Warner St.	964 ft. x 3 ft.

GUTTERS REPAVED.

White Street (Cobble)	75 ft. x 2 ft. 6 in.
Cross St. from Bridge St. to Elm St.	221 ft. x 2 ft.
Halidon Ave. (Grouted)	481 ft. x 4 ft.
Ayrault St. from Broadway, east	100 ft. x 2 ft.
Washington St. near Battery St.	30 ft. x 2 ft.
Mann Ave. from Kay St. to Broadway	1,027 ft. x 3 ft.
Pope St. from Spring St., east	381 ft. x 2 ft.
Pelham St. from Corne St. to Touro Park, west	330 ft. x 2 ft.
Young St.	369 ft. x 2 ft.
Cranston St. from Broadway, east	428 ft. x 2 ft.
North Baptist St.	75 ft. x 2 ft.
Brewer St.	448 ft. x 2 ft.
West St.	340 ft. x 3 ft.
Newport Ave. from Broadway, west	168 ft. x 2 ft.

CURBS RE-SET.

Broadway from Marlborough to Titus Estate	477 ft.
Mill St. at J. D. Johnston's	187 ft.
Ayrault St. from Greenough Pl. south (West side)	400 ft.
Ayrault St. from Greenough Pl. north (West side)	110 ft.
Ayrault St. from Catherine St. north (East side)	380 ft.
Ayrault St. from Kay St. south (West side)	410 ft.
Ayrault St. from Kay St. west (Two sides)	225 ft.
Rhode Island Ave., Francis to Catherine St. (West side)	622 ft.
Cranston Ave. from Broadway east (North side)	428 ft.
Newport Ave. (South side)	168 ft.
Francis St., Ayrault St. to Rhode Island Ave. (North side)	525 ft.
Francis St., Ayrault St. to Rhode Island Ave. (South side)	410 ft.
Broadway, Calvert St. to Cranston Ave.	222 ft.
Tyler St., (East side)	330 ft.
Kay St. from Ayrault St. south (East side)	322 ft.
Mann Ave. from Broadway east (South side)	660 ft.
Pope St. from Spring St. east (South side)	356 ft.
Brewer St. (South side)	437 ft.
Spring St., Narragansett Ave. to Coggeshall Ave. (East)	819 ft.
Spring St., Narragansett Ave. to Lee Ave.	813 ft.
Bellevue Ave. at Perry Belmont's	365 ft.
Bellevue Ave. at L. Q. Jones	339 ft.
Thames St. at Lead Works	10 ft.
Thames St., Pope St. to Extension St.	144 ft.
Middleton Ave. corner Weaver Ave.	38 ft.
Washington Square (South side)	370 ft.
	9,508 ft.

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STREETS COVERED WITH MATERIAL FROM THAMES STREET AND ROLLED.

	Length	Width	Sq yds.
Clinton St.	700 ft.	25 ft.	1,944.4
Marchant St.	625 ft.	25 ft.	1,736.1
West St.	446 ft.	11 ft.	545.1
W. Narragansett, Marchant to Roseneath	825 ft.	30 ft.	2,761.1
Slocum St., East Bowery to Middleton	506 ft.	35 ft.	1,967.7
Ashurst Place	265 ft.	15 ft.	441.6
Gardiner Street	345 ft.	19 ft.	728.3
Van Zandt Ave., Second St., west	450 ft.	24 ft.	1,200.0
Total			11,324.3

STREETS PATCHED.

Harrison Ave., Hunter Ave., Calvert St., Bartlett Court, Thames St., Narragansett Ave., Cliff Ave., Dixon St., Kay St., Bliss Road, Wilbar Ave., Broadway, Second Ave., Third St., Franklin St., Pelham St., Annandale Road, Catherine St., Gibbs Ave., Ocean Ave., Washington Square, Spruce St., Cherry St., Merton Road, Bridge St., Middleton Ave., Bedlow Ave., Morton Ave., Walnut St., Ashurst Place, Bath Road, Ochre Point Ave., Poplar St., Touro St., Cottage St., Church St., Mary St., Mann Ave., Francis St. , Ferry Wharf, West Broadway, Lawrence Ave., Pelham St., at Stewart's Stable (Tarvia), Rousmaniere Place, Redcross Ave., Tilden Ave., William St., Prospect Hill St., Farewell St., DeBlois St., Ayrault St., Kay St., Warner St., Hall Ave., Van Zandt Ave., Green St., Sayers Wharf, Bowery St., Callender Ave., Burnside Ave., Heath Court, Butler St., Court House St., Branch St., Mill St., Cross St., Powel Ave., Halsey St., Morgan Court, Old Fort Road; North Newport Ave., Young St., Carroll Ave., Bateman Ave., Leroy Ave., Connection St., Walnut St., Brinley St., Elm St., Wellington Ave., Atlantic St., Jeffrey Road, Tews Court, Levin St., Perry St., Rhode Island Ave., Charles St., East Bowery St., Old Beach Road, Kay St. Boulevard, Grafton St., Malbone Road, Chastellux Ave., Houston Ave., Almy Court, Vernon Ave., Battery St., Water Works Road, Prairie Ave., Fowler Ave., Parker Ave., Berkeley Ave., Slocum St.

NEW MANHOLE BUILT.

Washington St. at Briggs wharf.

MAN HOLE REPAIRED.

Washington St. near Bridge St.

STREETS TURNPIKE.

Van Zandt Ave. from Second St. west.

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SIDEWALKS EXCAVATED FOR GRANOLITHIC.

Catherine St. at J. W. Jorden's	100 ft. x 4 ft.	44.4 Sq. Yds.
Prospect Hill St. at Pinto's	40 ft. x 3 ft.	13.3 Sq. Yds.
		57.7 Sq. Yds.

GRANOLITHIC SIDEWALKS REPAIRED.

Pelham St. at E. C. O'Neils	15 ft. x 2 ft.
Pelham St. corner Spring St.	1 ft. x 6 ft.
Elm St. Pier	137 ft. x 6 ft.
Elm St. Pier	50 ft. x 7 ft.
Narragansett Ave.	15 ft. x 5 ft.
Thames St. at Frasch's	54 ft. x 7 ft.
Thames St. corner Spring Wharf	7 ft. x 5 ft.
Broadway at Baker Brother's	50 ft. x 11 ft. 6 in.
Broadway at H. L. Marsh & Company	20 ft. x 14 ft.
Broadway at Myers Estate	76 ft. x 6 ft.
Farewell St. at White St.	3 ft. x 6 ft.

SIDEWALKS REPAIRED.

Kinsley Wharf, plank	295 ft. x 6 ft.
Whitfield Court, plank	40 ft. x 3 ft.
Whitfield Court, crushed stone	310 ft. x 5 ft.
Lopez Wharf, asphalt blocks	57 ft. x 3 ft.
Perry St., dirt and crushed stone	300 ft. x 5 ft.
Taylor Court, south side, flagstone	100 ft. x 7 ft.
Taylor Court, north side, flagstone	18 ft. x 10 ft.
Thames St. corner Marlborough St., brick	40 ft. x 6 ft.
Newport Ave., south side, crushed stone	117 ft. x 6 ft.
Tilden Ave., W. Broadway to Warner St.	964 ft. x 2 ft.
Washington Square, south side, brick	370 ft. x 9 ft.
School St., asphalt blocks	72 ft. x 6 ft.
School St., crushed stone	200 ft. x 6 ft.
Ayrault St., Kay St. east, cinders	400 ft. x 6 ft.
Ayrault St., Kay St. east, crushed stone	300 ft. x 8 ft.
Van Zandt Ave., Second St. west, dirt	900 ft. x 5 ft.
Market Square, north side, flagstone	168 ft. x 5 ft.
Weaver Ave., crushed stone	336 ft. x 4 ft.
Mary St., cor. Spring St., flagstone	5 ft. x 4 ft.
Easton's Beach, asphalt blocks	415 ft. x 6 ft.
Duke St., brick	180 ft. x 7 ft.
Duke St., dirt	126 ft. x 7 ft.
Bellevue Ave., cor Bath road, flagstone	30 ft. x 8 ft.
Thames St., at D. E. Young's, flagstone	6 ft. x 6 ft.
Broadway at Myer's Estate, cinders	76 ft. x 4 ft.
Kay St., at Mallery's, dirt and crushed stone	292 ft. x 8 ft.
Thames St., opp. Coddington, brick	40 ft. x 6 ft.
High St., at W. C. Scott's, asphalt blocks	48 ft. x 6 ft.
Third St., near Bridge St., flagstone	20 ft. x 6 ft.
Gardiner St., crushed stone	690 ft. x 4 ft.
Francis St., crushed stone	775 ft. x 6 ft.
Carroll Ave., ashes	272 ft. x 7 ft.
Carroll Ave., ashes	282 ft. x 6 ft.
Coggeshall Ave., Ruggles Ave., south, crushed stone	600 ft. x 4 ft.
Van Zandt Ave.	900 ft. x 5 ft.

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Ashurst Place, dirt	530 ft.	x	3 ft.
Cranston Ave., crushed stone	200 ft.	x	8 ft.
Webster St., ashes	350 ft.	x	7 ft.
Wellington Ave., crushed stone	654 ft.	x	11 ft.
Green St., clay and crushed stone	264 ft.	x	4 ft.
Church St., clay and crushed stone	340 ft.	x	4 ft.
Prospect Hill St., clay and crushed stone	922 ft.	x	3 ft. 6 in.
East Bowery St., ashes	960 ft.	x	8 ft.
Equality Park	4 ft.	x	6 ft.
Holland St., clay and crushed stone	1220 ft.	x	5 ft.
Division St., Church St., south, crushed stone	165 ft.	x	5 ft.
Ayrault St., Kay St. west, cinders	200 ft.	x	7 ft.
Eastnor road, crushed stone	210 ft.	x	4 ft.
Old Fort road, crushed stone	100 ft.	x	4 ft.
Harrison Ave., crushed stone	325 ft.	x	5 ft.
Morton Ave., crushed stone	975 ft.	x	5 ft.
West Narragansett Ave., Marchant St., west	225 ft.	x	5 ft.
Cannon St., Granolithic	3 ft.	x	2 ft.
Farewell St., at Liberty Tree	20 ft.	x	5 ft.
Elm St., crushed stone	250 ft.	x	6 ft.
Elm St., ashes	70 ft.	x	6 ft.
Van Zandt Ave., near Tilley Ave., ashes	125 ft.	x	5 ft.
Second St., near Bridge St., clay	100 ft.	x	5 ft.
Charles St., flagstone	57 ft.	x	6 ft.
Charles St., crushed stone	30 ft.	x	3 ft.
Warner St., clay and crushed stone	150 ft.	x	5 ft.
Battery St., crushed stone	520 ft.	x	4 ft.
Bridge St., near Second St.	100 ft.	x	5 ft.
West Marlborough St., clay and crushed stone	50 ft.	x	10 ft.
Poplar St., ashes	60 ft.	x	5 ft.
Everett St., crushed stone	540 ft.	x	6 ft.
Bay View Ave., crushed stone	1090 ft.	x	6 ft. 6 in.
Caleb Earl St., crushed stone	125 ft.	x	4 ft.
Oak St., crushed stone	40 ft.	x	8 ft.
Burnside Ave., ashes	135 ft.	x	3 ft.
Park St., crushed stone	225 ft.	x	4 ft.
Malbone Road, ashes	350 ft.	x	5 ft.
Elliott Place, ashes	900 ft.	x	4 ft.
Fowler Ave., dirt	450 ft.	x	4 ft.
Broadway, crushed stone	460 ft.	x	12 ft.
Summer St., cinders	576 ft.	x	4 ft.
Bliss road, crushed stone	250 ft.	x	5 ft.
Bradford Ave., clay and crushed stone	75 ft.	x	5 ft.
Gibbs Ave., crushed stone	125 ft.	x	5 ft.
Hope St., crushed stone	375 ft.	x	5 ft.
Brooks Ave., crushed stone	325 ft.	x	7 ft.
Clinton Ave., ashes	120 ft.	x	4 ft.
Pleasant St., clay and ashes	110 ft.	x	5 ft.
Central St., crushed stone	60 ft.	x	6 ft.
Central St., flagstone	15 ft.	x	5 ft.
Champlin St., dirt	470 ft.	x	5 ft.
Branch St., ashes	84 ft.	x	3 ft.
Pelham St., crushed stone	150 ft.	x	6 ft.
DeBlois St., ashes	110 ft.	x	3 ft.
Pelham St., asphalt blocks	6 ft.	x	6 ft.
Pelham St., brick	4 ft.	x	6 ft.
Levin St., clay and crushed stone	1,233 ft.	x	4 ft.
Thomas St., clay, ashes and crushed stone	175 ft.	x	4 ft.

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Golden Hill St., clay and ashes	525 ft.	x	6 ft.
Byrnes St..	50 ft.	x	4 ft.
South Baptist St., crushed stone	50 ft.	x	6 ft.
Pope St., granolithic	7 ft.	x	5 ft.
Spring St., near Young St., flagstone	6 ft.	x	6 ft.
Ruggles Ave., crushed stone	125 ft.	x	4 ft.

SEAWALL BUILT.

Ocean Ave., from Kenny's to Graves Point ..... 280 ft.

SEAWALL REPAIRED.

Ocean Ave., opposite T. M. Davis'..... 75 ft.

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STREET AND HIGHWAY DEPARTMENT.

Forage consumed at City Stable during the Municipal Year of 1908.

Eleven Horses.

	Jan. lbs.	Feb. lbs.	Mar. lbs.	Apr. lbs.	May lbs.	June lbs.	July lbs.	Aug. lbs.	Sept. lbs.	Oct. lbs.	Nov. lbs.	Dec. lbs.	Total lbs.	Total Tons.	Total Bushels.	Average Cost.	Total Cost.
Hay	637	6,574	5,775	7,590	7,605	9,390	7,105	9,295	8,890	7,816	9,194	5,564	85,390	42-1390	--------	23.371	$997.86
Oats	3,312	3,200	3,200	3,200	3,200	4,840	4,864	4,824	4,750	4,702	3,165	3,136	46,393	------	1449-25	.6644	963.22
Straw	200	595	355	580	574	635	415	405	397	408	578	474	5,616	2-1616	--------	20.833	58.50
Bran	----	200	100	300	300	100	200	300	100	200	100	400	2,300	------	--------	.0151	34.80
Salt	30	----	30	----	60	30	30	----	30	----	45	----	255	------	--------	.02	5.10
Oil Meal	----	----	----	----	100	----	----	----	----	100	----	----	200	------	--------	.0192	3.85
		P															$2,063.33

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INVENTORY OF PROPERTY BELONGING TO THE HIGHWAY DEPARTMENT.

Office.

1	Victor safe	$180.00	
1	iron safe (City Yard Office, Long Wharf)	25.00	
1	iron safe (loaned License Commissioners)	140.00	
	Furniture, clock, stoves, desk, copypress, etc.	55.00	
1	engineer's transit	250.00	
1	set engineer's drafting instruments	5.50	
1	plummet lamp	5.00	
1	exploding battery	25.00	
1	engineer's level and rod	50.00	
			$735.50

Wharf and Stable.

1	Fairbanks scale	$50.00
10	horses	1,800.00
3	stone wagons	350.00
4	dump carts	80.00
2	two-horse steel dump carts	365.00
1	two-horse steel dump cart (old)	25.00
3	one-horse steel dump carts	450.00
1	double gear	75.00
1	single gear	50.00
1	express wagon	120.00
1	street sweeper	50.00
1	two-horse roller	200.00
13	one-horse watering carts	2,275.00
9	two-horse watering carts	2,700.00
4	sets double harness	200.00
4	sets cart harness	20.00
4	sets single wagon harness	20.00
11	waterproof covers	8.25
15	woolen blankets	15.00
10	Baker blankets	10.00
9	stable forks	4.50
2	wagon jacks	1.00
3	steam road rollers	9,000.00
2	stone trucks	20.00
3	patrol wagons	6.00
15	iron wheelbarrows	105.00
3	wooden wheelbarrows	4.50
2	lawn mowers	5.00
1	derrick, complete	150.00
1	controlling nozzle and pipe	10.00
6	spanner wrenches	2.50
9	hydrant wrenches	9.00
2	ship pumps and hose (50 ft.)	75.00
90	lanterns and globes	45.00
3	gravel screens	18.00
1	tree pruner	1.00
9	ice picks	2.25
2	cast iron stoves	29.00
3	jack screws	6.00
1	asphalt pot	3.00
2	babbitt pots	2.00

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1	asphalt repair plant and tools, complete	400.00
6	asphalt maddocks	6.00
3	3-inch augers	15.00
4	small augers	2.00
1	set bits	2.00
1	breast drill	2.00
4	crosscut saws	6.00
3	bit stocks	6.00
8	hand saws	4.00
1	wood saw	1.00
1	hack saw	1.50
3	straight edges	3.00
2	plows	25.00
2	stone axes	3.00
43	cutting tools	4.30
8	hand drills	4.00
29	iron bars	29.00
11	tampers	11.00
4	iron pounders	4.00
61	iron pins	15.25
710	lbs. steel	60.35
4	striking hammers	6.00
21	sledges	31.50
2	anvils	10.00
6	paving pounders	5.00
40	picks	20.00
7	levels	3.50
6	trench braces	18.00
2	maddocks	1.00
6	iron rakes	4.50
6	scoop shovels	6.00
2	tape measures	1.00
1	steel tape measure	10.00
25	guard pins and ropes	5.00
2	manhole guards	5.00
1	hydrant valve	2.00
4	tool boxes	15.00
3	sets blocks and falls	15.00
6	9 Stilson wrenches	9.00
12	monkey wrenches	6.00
2	pair chain tongs	12.00
1	bolt cutter	.50
3	bench vises	12.00
1	flush tank	30.00
3	24-inch manhole grates and rims	25.50
10	24-inch manhole covers and rims	95.00
2	light iron covers	2.00
3	heavy iron covers	6.00
66	long handle shovels	66.00
34	short handle shovels	34.00
1	stone roller	25.00
6	large axes	9.00
2	small axes	2.00
5	ox chains	5.00
4	spades	4.00
4	scythes and blades	6.00
3	squares	3.00
1	trowel	.50

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24	hoes	12.00	
6	suits oil skin	10.00	
5	pipe wrenches	2.50	
2	California pumps	3.00	
2	smoothing trowels	1.50	
1	pair trimming shears	1.50	
4	pails	.40	
11	iron drinking pails	11.00	
2	step ladders	2.00	
2	pair horse clippers	4.00	
2	joiners (granolithic tools)	2.60	
1	emery wheel	6.50	
13	pair rubber boots	65.00	
1	set wood chisels	11.00	
3	planes	6.25	
4	screw drivers	5.00	
1	set dies and taps	17.25	
1	bevel	1.50	
1	pipe cutter	1.50	
1	painter's torch	1.50	
2	sets stencils	3.35	
1	hatchet	.50	
3	50-gallon oil cans	17.85	
2	funnels	.50	
2	½-gallon measures	1.00	
1	blacksmith portable forge	12.60	
1	pair snips	2.50	
3	muzzles	5.00	
1	set sewer cleaning rods and fittings	65.00	
100	feet ½ inch rubber hose	10.00	
1	soldering iron	1.50	
1	ratchet drill and 16 drills	18.00	
2	iron clamps	1.00	
1	drawing knife	1.00	
1	extension bit	1.25	
1	Norton jack (15 tons)	48.00	
1	extension ladder (30 feet)	3.00	
1	ladder (18 feet)	3.00	
1	upright self-feeding drill and 14 drills	29.00	
3	5-gallon oil cans	3.00	
			$19,870.45

Settling Tank.

1	centrifugal pump and fittings	$300.00	
1	hoisting engine	300.00	
1	boiler	365.00	
			$965.00

Quarry.

2	crushers, engine and boiler	$4,500.00	
1	Fairbanks scales	175.00	
1	bellows	15.00	
2	vises	10.00	
1	anvil	7.00	
1	chain fall	10.00	
1	clock	4.50	
1	McKiernan steam drill and fittings	296.00	
			$5,017.50

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Ocean Avenue.		
1 steam boiler, pump and tanks	$500.00	$500.00
Bailey's Beach.		
1 windmill (pump and tank at yard)	$500.00	$500.00
Collins Beach.		
1 steam pump, boiler and tank	$500.00	$500.00
Long Wharf.		
1 steam boiler, pump and tank	$300.00	$300.00
		$28,388.45

STATEMENT OF CASH RECEIVED AND DEPOSITED WITH THE CITY TREASURER DURING THE MUNICIPAL YEAR 1908.

General Fund.		Highway Department Fund.	
Wharfage	$151.01	Labor, etc.	$3,641.91
Weighing	129.55	Materials	168.58
Permits	69.50	Use of steam roller	266.75
Street Sweepings	103.50	Use of horse roller	35.00
Manure	82.50	Donation, Dustoline	200.00
Outstanding accounts.	24.27	Use of pumps	47.00
Miscellaneous	19.65		
Junk	40.50		
Empty oil barrels	7.00		
	$627.48		$4.359.24

RECEIPTS AND EXPENDITURES ON STREETS AND HIGHWAYS FOR THE MUNICIPAL YEAR OF 1908.

Receipts.

Appropriation	$91,755.00
Appropriation	1,250.00
Cash received and deposited with the City Treasurer to the credit of the Highway Fund as per above statement	4,359.24
	$97,364.24

Disbursements.

Paid for labor	$75.837.62
Paid for materials	17,979.72
Balance unexpended	3,546.90
	$97,364.24

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	Labor.	Materials.	Total.
Carroll and Harrison Avenue, building catch basin	48.31	27.88	76.19
West Broadway at Benj. Easton's stable, building catch basin	29.14	8.96	38.10
Applying Tarvia "B" to certain streets	141.53	320.01	461.54
Third Street, resurface and roll, Battery St. to Training Station Rd.	426.78	116.75	543.53
Narragansett Avenue, Spring to Bellevue, re-macadamize	422.17	251.58	673.75
Bridge Street, re-macadamize	437.66	125.34	563.00
Mill Street, Spring to Bellevue Avenue, re-macadamize	217.30	62.16	279.46
Van Zandt Avenue, Second Street, west, re-macadamize	182.34	37.40	219.74
Ashurst Place, re-surface and roll.	59.45	10.16	69.61
Bliss Road, re-macadamize	2,890.40	780.92	3,671.32
Brewer Street, re-macadamize	205.53	54.71	260.24
Young Street, re-macadamize	351.66	96.34	448.00
Pope Street, Spring Street, east, remacadamize	187.24	50.09	237.33
East Street, re-macadamize	75.89	20.58	96.47
Dearborn Street, re-macadamize	428.36	117.60	545.96
Warner Street, Farewell to Spruce Street, re-macadamize	307.59	84.48	392.07
Marlborough Street, re-macadamize	482.70	133.11	615.81
Bellevue Avenue, re-surface and roll	229.03	269.22	498.25
Washington Sq., re-surface and roll	74.38	142.01	216.39
Harrison Avenue, near "Golf Club," re-surface and roll	156.60	39.80	196.40
Narragansett Avenue, Spring to Thames St., re-surface and roll	86.65	130.55	217.20
Warner Street, Spruce to Pond Avenue, re-surface and roll	148.51	42.64	191.15
Washington Square, north side, re-set curb	112.40	26.93	139.33
Spring Street, east side from Dixon Street, south, re-set curb	377.52	48.41	425.93
Bellevue Avenue, re-set curb	141.41	22.30	163.71
Brewer Street, re-set curb	161.62	32.17	193.79
Ayrault Street, re-set curb	340.41	35.79	376.20
Pope Street, re-set curb	132.16	13.60	145.76
Kay Street, re-set curb	85.70	16.33	102.03
Mann Avenue, re-set curb	329.18	46.30	375.48
Young Street, re-lay gutter	91.59	24.65	116.24
Francis Street, re-set curb	227.33	27.28	254.61
Rhode Island Avenue, re-set curb	120.45	10.84	131.29
Broadway, re-set curb	141.71	22.21	163.92
Cranston Avenue, re-set curb	59.24	7.59	66.83
Tyler Street, re-set curb	52.74	4.16	56.90
Mill Street, re-set curb	75.67	14.65	90.33
Newport Avenue, re-set curb	32.41	6.91	39.32
Cross Street, re-set curb	17.91	6.61	24.52
West Street, re-lay gutter	144.12	25.33	169.45
Thames Street Driveway at Ann Street Pier	15.86	3.24	19.10
Rhode Island Avenue Driveway at "Carr" and "Norman" Estates	38.56	31.42	69.98

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	Labor.	Materials.	Total.
Young Street Driveway at No. 7 Fire Station	76.00	7.14	83.14
Relaying crossings	640.67	63.89	704.56
Ocean Avenue, repair Sea Wall, opp. T. M. Davis',	80.06	12.79	92.85
DeBlois Street, filling well	3.05	1.51	4.56
Long Wharf, repairing floats	.....	37.03	37.03
Ocean Avenue fence, near Graves Point	8.36	7.03	15.39
Repairing and re-lay gutters	84.46	11.47	95.93
Halidon Avenue, east side, re-lay gutter	161.59	50.42	212.01
Whitfield Court gutter, west side	214.25	87.25	301.50
Extension Street widening	26.51	2.80	29.31
Repair Bridge Ocean Avenue near "Goose Neck,"	15.67	17.31	32.98
Webster Street, repair fence, near "Cliffs"	5.50	4.05	9.55
Van Zandt Avenue Bridge, repair and paint	34.25	216.42	250.67
Malbone Avenue Bridge repairs	4.25	.42	4.67
Measuring Streets	48.75	.....	48.75
Van Zandt Avenue Pier repairs	33.00	14.89	47.89
Ann Street Pier repairs	16.00	7.35	23.35
Elm Street Pier repairs	36.00	10.58	46.58
Elm Street Pier, granolithic walk	135.67	65.93	201.60
Easton's Beach, bridge repairs	4.97	7.17	12.14
King Park, planking piles	10.47	2.45	12.92
Clean and repair fountains	23.12	11.16	34.28
Forty Steps, repair and paint	162.22	45.44	207.66
Painting Long Wharf floats	4.75	.....	4.75
Easton't Beach, repairing and cleaning roadway, repairing sidewalk, repair and repaint fence	400.92	18.07	418.99
Water Works Road, repair bridge.	4.98	16.67	21.65
Removal and trimming trees	128.17	1.56	135.73
City Wharf, repairs to piles and caplogs	.....	1,069.00	1,069.00
City Wharf, repairs to stable, paint shop and other buildings	281.42	146.74	428.16
City Wharf, concrete floor in roller house	118.45	76.30	194.75
Bailey Beach Water Tank	68.61	271.67	340.28
Emergency and miscellaneous incidentals	.....	838.19	838.19
Collection and disposal of city garbage	6,640.00	3.95	6,643.95
Training Station Road crossing	24.34	4.90	29.24
Garfield Street, extend sewer	76.10	72.60	148.70
Byrnes Street, re-lay sewer	192.01	102.63	294.64
Slocum Street, East Bowery Street to Middleton Avenue, macadamize	210.40	44.35	254.75
Gardiner Street, repairs	179.58	38.69	218.27
Ocean Avenue, building sea wall, Kinney's to Graves Point	134.42	1,890.19	2,024.61
	$73,387.48	$16,875.47	$90,362.95

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	Labor.	Materials.	Total.
Carroll and Harrison Avenue, building catch basin	48.31	27.88	76.19
West Broadway at Benj. Easton's stable, building catch basin	29.14	8.96	38.10
Applying Tarva "B" to certain streets	141.53	320.01	461.54
Third Street, resurface and roll, Battery St. to Training Station Rd.	426.78	116.75	543.53
Narragansett Avenue, Spring to Bellevue, re-macadamize	422.17	251.58	673.75
Bridge Street, re-macadamize	437.66	125.34	563.00
Mill Street, Spring to Bellevue Avenue, re-macadamize	217.30	62.16	279.46
Van Zandt Avenue, Second Street, west, re-macadamize	182.34	37.40	219.74
Ashurst Place, re-surface and roll	59.45	10.16	69.61
Bliss Road, re-macadamize	2,890.40	780.92	3,671.32
Brewer Street, re-macadamize	205.53	54.71	260.24
Young Street, re-macadamize	351.66	96.34	448.00
Pope Street, Spring Street, east, re-macadamize	187.24	50.09	237.33
East Street, re-macadamize	75.89	20.58	96.47
Dearborn Street, re-macadamize	428.36	117.60	545.96
Warner Street, Farewell to Spruce Street, re-macadamize	307.59	84.48	392.07
Marlborough Street, re-macadamize	482.70	133.11	615.81
Bellevue Avenue, re-surface and roll	229.03	269.22	498.25
Washington Sq., re-surface and roll	74.38	142.01	216.39
Harrison Avenue, near "Golf Club," re-surface and roll	156.60	39.80	196.40
Narragansett Avenue, Spring to Thames St., re-surface and roll	86.65	130.55	217.20
Warner Street, Spruce to Pond Avenue, re-surface and roll	148.51	42.64	191.15
Washington Square, north side, re-set curb	112.40	26.93	139.33
Spring Street, east side from Dixon Street, south, re-set curb	377.52	48.41	425.93
Bellevue Avenue, re-set curb	141.41	22.30	163.71
Brewer Street, re-set curb	161.62	32.17	193.79
Arnold Street, re-set curb	340.41	35.79	376.20
Pope Street, re-set curb	132.16	13.60	145.76
Ray Street, re-set curb	85.70	16.33	102.03
Main Avenue, re-set curb	329.18	46.30	375.48
Young Street, relay gutter	91.59	24.65	116.24
Francis Street, re-set curb	227.33	27.28	254.61
Rhode Island Avenue, re-set curb	120.45	10.84	131.29
Broadway, re-set curb	141.71	22.21	163.92
Clarkson Avenue, re-set curb	59.24	7.59	66.83
Pier Street, re-set curb	52.74	4.16	56.90
Mill Street, re-set curb	75.67	14.65	90.33
Newport Avenue, re-set curb	32.41	6.91	39.32
Cross Street, re-set curb	17.91	6.61	24.52
West Street, relay gutter	144.12	25.33	169.45
Thames Street, Driveway at Ann Street Pier	15.86	3.24	19.10
Rhode Island Avenue, Driveway at Clark and Norman Estates	38.56	31.42	69.98

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DETAIL OF EXPENDITURES ON STREETS AND HIGHWAYS FOR THE MUNICIPAL YEAR OF 1908.

January.

1	John F. Warth & Brother, brooms, etc.	$40.25
2	The Congdon & Carpenter Co., seat springs	10.20
3	Dr. F. deM. Bertram, vet. services	5.00
4	Providence Telephone Co., telephone service	22.00
5	Municipal Journal, subscription	3.00
6	M. Brotherson, filing saws	.75
7	J. J. Dugan, gravel	226.62
8	Maurice C. Smith, rep. numbering stamp, etc.	1.75
9	Newport Ship Yard, driving piles	20.00
10	Remington Ward, printing	25.75
11	J. J. Dugan, garbage	405.65
12	George T. King, labor at dump	54.00
13	Cornelius Harrington, labor at dump	54.00
14	Perrin, Seamans & Co., bolts, washers, etc.	22.02
15	J. L. & H. K. Potter, foot lever gear.	1.40
16	F. E. Fitts Mfg. & Supply Co., rainbow packing	13.41
17	P. F. Clarke & Co., shoeing	4.50
18	Shreenan & Sullivan, shoeing	4.50
19	John E. Leddy, shoeing	4.00
20	Daniel Beard, shoeing	5.32
21	George W. Callahan, shoeing	6.00
22	J. G. Stevens, forage	147.42
23	George W. Ritchie, rep. bridle	1.75
24	Ward Printing Co., printing	9.00
25	Alex N. Barker & Co., lumber, nails, etc.	29.65
26	Wright Brothers, oil, etc.	9.75
27	J. M. K. Southwick, pump, etc.	5.29
28	J. K. Sullivan, express	1.75
29	Newport Coal Company, fuel	27.61
30	Alex J. Fludder, pipe	6.50
31	Wm. B. Scott & Company, scoop, etc.	1.65
32	E. S. Peckham, fuel	6.68
33	T. M. Seabury, rubber boots	27.50
34	J. B. F. Smith & Company, lead	5.00
35	J. D. Johnston, lumber	22.59
36	F. E. Fitts Mfg. & Supply Company, machine waste	43.42
37	J. K. Sullivan, gasoline	48.55
38	Ralph R. Barker, paint, brushes, etc.	18.16
39	George H. Carr, envelopes	1.00
40	J. Stacy Brown, stone	21.64
41	N. Y., N. H. & H. R. R. Co., freight	1.51
	Pay Roll	2,748.06
		$4,114.60

FEBRUARY.

42	J. B. Bacheller, rep. watering cart	$16.61
43	George H. Carr, scale book	1.25
44	J. P. Cotton, crushed stone	21.38
45	George A. Weaver Company, nails	.20
46	Jas. J. Dugan, garbage	405.65
47	George T. King, labor at dump	50.00
48	Cornelius Harrington, labor at dump	50.00
49	Simon Hart, supplies	1.72

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50	Newport Paper & Grocery Company, toilet	.84
51	Taylor Iron & Steel Company, concaves, etc.	291.65
52	George W. Callahan, shoeing	3.38
53	Peter F. Clarke & Company	6.50
54	John E. Leddy, shoeing	4.00
55	Shreenan & Sullivan, shoeing	2.25
56	O. R. Braman, harness repairs	8.18
57	Wm. F. Gratrix, brush	.75
58	Downing Brothers, prescription	.85
59	George W. Ritchie, rep. harness	2.50
60	Dennis Shanahan, forage	148.55
61	Henry Biesel & Son, straps	1.35
62	J. D. Johnston, lumber, etc.	5.70
63	Wm. B. Scott & Company, hammer handles, etc.	.76
64	J. Irving Shepley, iron	1.25
65	J. B. Bacheller, rep. watering cart	10.10
66	Alex N. Barker & Company, lumber, etc.	9.59
67	Frank Levitre, sand	6.40
68	Edward S. Peckham, fuel	20.08
69	Daniel Beard, shoeing	4.82
70	Chas. S. Goddard, rep. watering cart, etc.	28.95
71	Wm. K. Covell, rep. watering pot	.75
72	Postage and express	1.30
73	Ward Printing Company, printing	9.50
74	T. T. Pitman, advertising	2.25
	Pay Roll	2,003.67
		$7,237.33

MARCH.

75	J. L. & H. K. Potter, packing, etc.	$16.20
76	H. L. Bond Company, iron pulley	3.35
77	Buffalo Steam Roller Company, grate bars, etc.	16.50
78	F. E. Fitts Mfg. & Supply Company, belt dressing, etc.	62.75
79	W. M. Harris & Company, pine	34.95
80	The Congdon & Carpenter Co., steel, etc.	42.11
81	New England Navigation Company, rep. boiler	1.88
82	Herald Publishing Company, advertising	2.25
83	Philip F. Conroy, pipe, etc.	3.90
84	Providence Telephone Company, toll calls	.30
85	Newport Gas Light Company, gas	.66
86	Ward Printing Company, printing	1.75
87	Wm. B. Scott & Company, grease, files, etc.	5.60
88	The Peckham Company, spikes, etc.	2.30
89	H. L. DeBlois, street hoes	18.00
90	Jas. P. Taylor, oil suit	8.00
91	Daniel Beard, shoeing	4.82
92	Alex J. Fludder, pipe	74.44
93	James J. Dugan, garbage	405.65
94	George T. King, labor at dump	52.00
95	Cornelius Harrington, labor at dump	52.00
96	John O. Kettell, horse	250.00
97	Manhattan Rubber Mfg. Company, belt	69.30
98	John J. Connell, kerosene	15.00
99	Mercury Publishing Company, printing and advertising	10.25
100	Art Metal Construction Company, guides for file	4.50
101	Sealer of Weights and Measures, testing scales	4.00

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102	George H. Carr, office supplies	6.48
103	G. H. Burnham, labor, oil, etc.	100.37
104	Newport Foundry & Machine Co., babbitt	28.50
105	Thos. H. Reagan, building frame for tank	54.36
106	Dennis Shanahan, forage	138.06
107	Wm. K. Covell, pails	1.45
108	George Stanhope, salt, etc.	.55
109	Wright Brothers, lead, varnish, etc.	6.40
110	Alex N. Barker & Company, cement, etc.	83.33
111	Ralph R. Barker, varnish, putty, etc.	10.69
112	J. M. K. Southwick, rope, spikes, etc.	5.06
113	J. D. Johnston, pattern	1.50
114	E. S. Peckham, fuel	99.74
115	Chas. S. Goddard, sharpening tools	4.54
116	McKiernan Drill Company, hose, etc.	26.65
117	George W. Callahan, shoeing	2.38
118	John E. Leddy, shoeing	2.63
119	Shreenan & Sullivan, shoeing	6.42
120	P. F. Clarke & Company, shoeing	5.00
121	George W. Ritchie, rep. bridle	.75
122	O. R. Braman, rep. roller belt, etc.	4.30
123	J. B. F. Smith & Company, oil	6.90
124	George A. Weaver Company, brooms, etc.	66.75
125	Newport Gas Light Company, nipple elbow	.25
126	City Treasurer, stamped envelopes	10.92
127	N. Y., N. H. & H. R. R. Co., freight	4.59
128	Estate Wm. H. Cotton, konkine	1.50
129	Express, freights, etc.	7.26
130	Boston Woven Hose & Rubber Company, hose, etc.	33.00
	Pay Roll	2,717.35
		$11,837.47

APRIL.

131	Frank Levitre, sand	$14.40
132	Wm. B. Scott & Company, shovels, pails, etc.	16.93
133	Ward Printing Company, printing	4.00
134	D. E. Sullivan, brooms, pails, etc.	3.65
135	John J. Connell, kerosene	15.00
136	Perrin, Seamans & Company, lanterns	33.00
137	George A. Weaver Company, water tank, etc.	199.20
138	Newport Foundry & Machine Corp., rubber, etc.	2.90
139	C. E. Kimball & Son, rep. sanitary cart	41.50
140	M. D. Sullivan, rep. stable	8.00
141	New England Navigation Company, rep. boiler	1.50
142	Newport Paper & Grocery Company, toilet	.84
143	James J. Dugan, garbage	405.65
144	George T. King, labor at dump	52.00
145	Cornelius Harrington, labor at dump	52.00
146	Providence Telephone Company, telephone service	24.65
147	Buffalo Steam Roller Company, oil	21.00
148	Newport Rubber Stamp Company, stamps	.65
149	Daniel Beard, shoeing	9.38
150	E. S. Peckham, fuel	337.85
151	Clinton Point Stone Company, stone	1,252.82
152	J. K. Sullivan, discharging stone	182.85
153	Alex N. Barker & Company, lumber, shovels, etc.	31.41
154	J. M. K. Southwick, dynamite, etc.	80.38
155	Jas. P. Taylor, oil suit	2.50

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156	J. B. F. Smith & Company, paint, etc.	3.25
157	The Peckham Company, hose	18.85
158	J. D. Johnston, pounder	3.00
159	Wright Brothers, bronzite	15.00
160	Ralph R. Barker, oil, paint, etc.	7.75
161	N. Y., N. H. & H. R. R. Co., freight	.95
162	Dennis Shanahan, forage	163.60
163	P. F. Clarke & Company, shoeing	4.50
164	John E. Leddy, shoeing	4.00
165	George W. Callahan, shoeing	4.20
166	Shreenan & Sullivan, shoeing	2.25
167	Henry Biesel & Son, stable supplies	6.30
168	George W. Ritchie, rep. harness, etc.	6.25
169	H. H. Lawton, stable supplies	9.95
170	Friend & Maguire, pipe, cement, etc.	81.08
171	Chas. S. Goddard, sharpening tools	11.70
172	Express	1.65
173	G. H. Burnham, oils, packing, etc.	33.84
174	John H. Sullivan, cartage crushed stone	297.87
175	J. Stacy Brown, stone	63.70
	Pay Roll	5,655.27
		$21,026.49

MAY.

176	O. R. Braman, rep. harness	$7.40
177	Henry Biesel & Son, stable supplies	2.25
178	Shreenan & Sullivan, shoeing	4.50
179	George A. Weaver Company, pails, rakes, etc.	11.05
180	King-McLeod Company, cheese cloth	.25
181	Edward H. Easton, ladder	2.00
182	J. M. K. Southwick, dynamite, etc.	73.50
183	James J. Dugan, garbage	405.65
184	George T. King, labor at dump	52.00
185	Cornelius Harrington, labor at dump	52.00
186	Daniel Beard, shoeing	8.00
187	George W. Callahan, shoeing	6.50
188	M. Kennedy, shoeing	5.00
189	John E. Leddy, shoeing	1.76
190	Peter F. Clarke & Company, shoeing	5.95
191	Wm. A. Barker, horse sheets, etc.	2.00
192	Wm. B. Scott & Company, wheelbarrow, shovels, etc.	14.26
193	Alex N. Barker & Company, lumber, cement, etc.	26.03
194	H. L. DeBlois, hoes	12.00
195	N. Y., N. H. & H. R. R. Co., protecting track	1.60
196	George H. Carr, office supplies	3.80
197	James H. Hart, rep. oil can, etc.	1.50
198	J. D. Johnston, lumber	1.10
199	Buffalo Steam Roller Company, frames, grate bars, etc.	18.25
200	Fuller Iron Works, manhole covers and rims	54.00
201	Concord Foundry and Machine Co., bases and grates	18.75
202	Dennis Shanahan, forage	166.90
203	John S. Lamson, Jr., dustoline	607.58
204	Barker Brothers & Company, pipe	84.00
205	Friend & Maguire, cement	14.00
206	G. H. Bloom, sharpening tools	.75
207	G. H. Burnham, oils, packing, etc.	24.98

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208	E. S. Peckham, fuel	310.42
209	Providence Telephone Company, toll call	.10
210	John H. Sullivan, cartage crushed stone	322.11
211	J. Stacy Brown, stone	56.43
212	Express	4.81
213	Wm. F. Gratrix, rep. halter	.35
214	Wm. K. Covell, broom	.40
215	James S. Ramlose, rep. rubber boots	4.50
216	J. K. Sullivan, gravel	2.27
217	D. J. Sullivan & Company, weighing gravel	.20
218	J. J. Connell, kerosene	15.00
	Pay Roll	7,281.39
		$30,713.78

JUNE.

219	Seth Pierce, horse	$210.00
220	W. M. Harris & Company, pine	22.80
221	Newport Foundry & Machine Corp., labor, bolts, etc.	39.57
222	Wm. B. Scott & Company, shovels, etc.	22.31
223	Simon Hart, office supplies	10.12
224	Thomas H. Reagan, rep. bridge	27.00
225	Daniel Beard, shoeing	9.00
226	George H. Carr, office supplies	2.40
227	J. Irving Shepley, copper, etc.	2.38
228	Newport Water Works, removing stand pipe	15.35
229	John F. Warth & Brother, handles	3.75
230	Newport Paper & Grocery Company, toilet	.84
231	John S. Lamson, Jr., dustoline	604.43
232	M. F. Shea, rep. carts, sharpening tools, etc.	159.74
233	Jas. J. Dugan, garbage	405.65
234	George T. King, labor at dump	52.00
235	Cornelius Harrington, labor at dump	52.00
236	E. S. Peckham, fuel	313.15
237	Allis-Chalmers Company, break hub	13.98
238	James McBride, liniment, etc.	10.00
239	D. J. Sullivan & Company, weighing gravel	1.90
240	J. J. Connell, kerosene	15.00
241	Shreenan & Sullivan, shoeing	6.75
242	M. Kennedy, shoeing	4.00
243	George W. Callahan, shoeing	5.63
244	John E. Leddy, shoeing	4.00
245	P. F. Clarke & Company, shoeing	4.50
246	J. G. Stevens, forage	211.61
247	Est. Wm. H. Cotton, konkine, etc.	3.15
248	O. R. Braman, rep. collar	2.00
249	H. H. Lawton, stable supplies	6.45
250	J. K. Sullivan, use of horse	53.25
251	Thos. Lucas, contract	147.13
252	J. M. K. Southwick, dynamite, etc.	53.50
253	J. D. Johnston, pine	.94
254	Wm. F. Gratrix, whip, etc.	1.50
255	George W. Ritchie, sponges	2.25
256	Henry Biesel & Son, rep. bridle, etc.	.75
257	Friend & Maguire, cement	41.70
258	Alex J. Fludder, pipe	.80
259	George Stanhope, soap	4.15
260	George A. Weaver Company	4.65
261	Chas. S. Goddard, sharpening tools, etc.	12.80

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262	N. Y., N. H. & H. R. R. Co., freight	8.55
263	H. L. DeBlois, street hoes	6.00
264	J. K. Sullivan, gravel	40.27
265	Alex N. Barker & Compnay, lumber, nails, etc.	23.44
266	F. E. Fitts Mfg. & Supply Company, lacing	15.75
267	Herbert Bliss, oil pump rep.	1.00
268	M. Brotherson, sharpening tools	4.50
269	Freights	2.80
270	John H. Sullivan, cartage crushed stone	333.00
271	J. Stacy Brown, stone	72.25
272	G. H. Bloom, iron, etc.	2.20
	Pay Roll	10,289.60
		$44,078.02

JULY.

273	John F. Warth & Brother, brooms	$49.00
274	G. H. Burnham, oils, etc	77.43
275	Sampson & Murdock Company, directory	2.00
276	George A. Weaver Company, rakes, etc.	2.70
277	Jas. H. Hart, rep. oil can	.75
278	Frank E. Fitts Mfg. & Supply Co.	23.50
279	John S. Lamson, Jr., dustoline	604.43
280	Ward Printing Company, printing	4.50
281	Providence Telephone Company, telephone service	22.70
282	Hooper, Havey & Company, granite curb	42.75
283	Godfrey Moffitt, lumber, etc.	3.80
284	Remington Ward, printing	6.50
285	Jas. J. Dugan, garbage	405.65
286	George T. King, labor at dump	54.00
287	Cornelius Harrington, labor at dump	54.00
288	J. G. Stevens, forage	189.70
289	Wm. F. Gratrix, rep. harness	.60
290	Alex N. Barker & Company, lumber, nails, etc.	96.63
291	E. S. Peckham, fuel	282.09
292	Alex J. Fludder, pipe	21.20
293	The Burbridge Company, rep. Elm St. pier	36.00
294	J. M. K. Southwick, dynamite, etc.	33.50
295	Julius Burdick, bicycle tires	14.00
296	Wm. B. Scott & Company, hand cart, etc.	9.55
297	George H. Carr, office supplies	3.10
298	A. R. O'Hanley, oatmeal	1.75
299	The Peckham Company, spikes	5.95
300	John E. Leddy, shoeing	4.00
301	George W. Callahan, shoeing	7.51
302	P. F. Clarke & Company, shoeing	4.50
303	Shreenan & Sullivan, shoeing	5.10
304	M. Kennedy, shoeing	4.00
305	Chas. S. Goddard, sharpening tools, etc.	29.35
306	J. D. Johnston, lumber	6.52
307	S. B. Gladding, motor cycle tires	20.00
308	Daniel Beard, shoeing	4.50
309	J. K. Sullivan, gravel	84.24
310	J. J. Connell, kerosene	15.00
311	John H. Sullivan, cartage crushed stone	494.26
312	J. Stacy Brown, stone	104.91
313	George Stanhope, broom	.35
314	M. D. Sullivan, rep. Ann St. pier	16.00
315	Newport Paper & Grocery Company, toilet	.84

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316	N. Y., N. H. & H. R. R. Co., freight	.25
	Pay Roll	8,310.06
		$55,237.19

AUGUST.

317	T. B. Dawley, painting bridge	$187.91
318	G. H. Burnham, oil, etc.	11.65
319	Herbert Bliss, rep. pump, etc.	1.10
320	H. L. DeBlois, street hoes	12.00
321	Dr. F. de M. Bertram, vet. services	7.00
322	Ward Printing Company, printing	5.75
323	P. Stevens & Son, stone	12.64
324	Jas. J. Dugan, garbage	405.65
325	George T. King, labor at dump	52.00
326	Cornelius Harrington, labor at dump	52.00
327	Alex N. Barker & Company, brick, nails, etc.	51.37
328	Chas. S. Goddard, sharpening tools, etc.	7.15
329	John M. Friend, cement	62.00
330	Alex J. Fludder, pipe	20.80
331	Wm. K. Covell, dippers, etc.	.67
332	Daniel Beard, shoeing	4.50
333	Wm. B. Scott & Company, paroid paper, etc.	34.25
334	R. R. Barker, putty, etc.	.35
335	Simon Hart, office supplies	5.15
336	Daniel Beard, shoeing	4.50
337	P. F. Clarke & Company, shoeing	4.50
338	Shreenan & Sullivan, shoeing	5.10
339	George W. Callahan, shoeing	2.76
340	John E. Leddy, shoeing	4.25
341	J. G. Stevens, forage	213.45
342	Wm. F. Gratrix, soap, etc.	2.00
343	Henry Biesel & Son, harness soap	.50
344	O. R. Braman, straps	1.00
345	H. H. Lawton, stable supplies	10.15
346	M. D. Sullivan, rep. stable	72.00
347	J. J. Connell, kerosene	15.00
348	George W. Ritchie, stable supplies	5.00
349	M. Kennedy, shoeing	4.00
350	M. Brotherson, sharpening tools	2.10
351	Walsh Brothers, linolium, etc.	63.60
352	Wm. H. Cotton Pharmacy, konkine	3.00
353	E. S. Peckham, fuel	197.34
354	Postage stamps	1.00
355	N. Y., N. H. & H. R. R. Co., freight	65.67
356	John H. Sullivan, cartage crushed stone	331.44
357	J. Stacy Brown, stone	71.77
358	J. K. Sullivan, gravel	116.18
359	A. R. O'Hanley, oatmeal	1.50
360	T. G. Owen, automobile repairs	475.15
	Pay Roll	8,415.57
		$66,259.66

SEPTEMBER.

361	Wm. B. Scott & Company, shovel, etc.	$1.78
362	G. H. Burnham, oils, etc.	52.40
363	Joseph Martin, rubber boots	16.50
364	James S. Ramlose, rubber boots	22.00
365	Clark H. Burdick & Company, rubber boots	16.50

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366	John F. Warth & Brother, brooms	87.00
367	F. E. Fitts Mfg. & Supply Co., waste	16.27
368	Barrett Mfg. Company, tarvia	166.37
369	Warren Brothers Company, rep. roadbed	4.32
370	J. D. Johnston, lumber	.45
371	Newport Gas Light Company, gas	.33
372	American Brake Shoe & Foundry Company, concaves	85.00
373	N. Y., N. H. & H. R. R. Co., freight	9.30
374	Dalton E. Young, oatmeal	1.00
375	Jas. J. Dugan, garbage	405.65
376	George T. King, labor at dump	52.00
377	Cornelius Harrington, labor at dump	52.00
378	Providence Telephone Company, toll calls	.20
379	Ward Printing Company, paper	.85
380	T. M. Seabury Company, rubber boots	17.50
381	J. J. Connell, kerosene	7.50
382	H. L. DeBlois, street hoes	12.00
383	Wm. K. Covell, pipe, etc.	2.45
384	H. L. Marsh & Company, forage	197.45
385	George H. Carr, office supplies	2.25
386	Simon Hart, office supplies	2.40
387	E. S. Peckham, fuel	147.00
388	John E. Leddy, shoeing	8.00
389	George W. Callahan, shoeing	7.64
390	M. Kennedy, shoeing	4.00
391	Shreenan & Sullivan, shoeing	4.50
392	Daniel Beard, shoeing	4.50
393	Wm. F. Gratrix, whip	.85
394	Henry Biesel & Son, stable supplies	2.90
395	James P. Taylor, oil suits	8.00
396	A. P. Jennings, oil suits	7.50
397	J. M. K. Southwick, rope, etc.	24.20
398	D. J. Sullivan & Company	4.20
399	Chas. S. Goddard, rep. watering cart, etc.	3.55
400	Alex N. Barker & Company, lumber, etc.	9.51
401	G. H. Burnham, oils, etc.	14.50
402	O. R. Braman, stable supplies	14.50
403	P. F. Clarke & Company, shoeing	5.25
404	M. F. Shea, repairing C. B. Cart, etc.	32.00
405	J. K. Sullivan, towing a scow	20.00
406	The International Contracting Company, hire of scow	60.00
407	New England Navigation Company, freight	.86
408	Friend & Maguire, cement	54.25
409	C. A. Manchester, oatmeal	7.75
410	J. K. Sullivan, gravel	112.91
411	Alex J. Fludder, pipe, etc.	26.95
412	J. H. Shea, Jr., dental work on horses	15.00
413	Walsh Brothers, door mat	1.50
414	Newport Foundry & Machine Corp., pipe	2.70
415	Postage stamps	3.00
416	John H. Sullivan, cartage crushed stone	285.43
417	J. Stacy Brown, stone	71.65
	Pay Roll	8,182.27
		$76,638.00

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OCTOBER.

418	George A. Weaver Company, rakes, etc.	$2.75
419	Newport Paper & Grocery Company, toilet	.84
420	Providence Telephone Company, telephone service	22.00
421	T. B. Connolly, rep. city fountain	12.95
422	N. Y., N. H. & H. R. R. Co., freight	3.30
423	Sealer of Weights & Measures, testing scales	1.50
424	John H. Sullivan, cartage crushed stone	112.45
425	James J. Dugan, garbage	405.65
426	George T. King, labor at dump	54.00
427	Cornelius Harrington, labor at dump	54.00
428	Jacob Mohr, sharpening tools	3.10
429	H. H. Lawton, stable supplies	7.00
430	Wm. F. Gratrix, rep. collar	1.25
431	O. R. Braman, whip	.85
432	Daniel Beard, shoeing	4.50
433	George W. Callahan, shoeing	2.75
434	M. Kennedy, shoeing	2.00
435	Remington Ward, paper	1.75
436	Simon Hart, office supplies	.45
437	George H. Carr, time books	1.50
438	Ralph R. Barker, oil, lead, etc.	1.85
439	Alex J. Fludder, pipe	1.60
440	Newport Gas Light Company, coke	1.32
441	Wm. K. Covell, coal hod, etc.	.78
442	Alex N. Barker & Company, lumber, etc.	28.09
443	M. Brotherson, sharpening tools	1.75
444	The Peckham Company, hoe handle	.65
445	Wm. B. Scott & Company, shovel, paint, etc.	4.95
446	Ward Printing Company, printing	3.50
447	J. B. F. Smith & Company, glass, putty, etc.	2.45
448	George W. Ritchie, stable supplies	3.50
449	H. L. Marsh & Company, forage	184.48
450	E. S. Peckham, fuel	45.25
451	P. F. Clarke & Company, shoeing	4.50
452	Shreenan & Sullivan, shoeing	2.25
453	John M. Friend, cement	23.10
454	Postage stamps,	2.00
455	Boston & Lockport Block Company, diaphragms	10.80
456	J. Stacy Brown, stone	34.37
457	J. K. Sullivan, gravel	7.33
458	John E. Leddy, shoeing	4.00
	Pay Roll	5,224.38
		$82,925.49

NOVEMBER.

459	Barrett Mfg. Company, tarvia	$85.97
460	Downing Brothers, prescription	4.75
461	American Brake Shoe & Foundry Company	65.00
462	George A. Weaver Company, scoops	2.70
463	Remington Typewriter Company, carbon paper	3.00
464	Thos. G. Owen, automobile repairs	29.08
465	James J. Dugan, garbage	405.65
466	George T. King, labor at dump	50.00
467	Cornelius Harrington, labor at dump	50.00
468	Simon Hart, office supplies	2.20
469	Walsh Brothers, stove	21.25
470	Wm. K. Covell, stove, etc.	8.15

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471	Wright Brothers, lead	1.88
472	Wm. B. Scott & Company, scoop, manger, etc.	2.90
473	Ralph R. Barker, glass, etc.	.87
474	J. K. Sullivan, gasoline	54.50
475	George W. Callahan, shoeing	3.75
476	M. Kennedy, shoeing	2.00
477	Daniel Beard, shoeing	4.50
478	Peter F. Clarke & Company, shoeing	4.50
479	Wm. F. Gratrix, stable supplies	4.35
480	George H. Carr, ink	.75
481	Jas. Corrigan, labor and dirt	36.59
482	H. L. Marsh & Company, forage	164.54
483	Shreenan & Sullivan, shoeing	4.00
484	M. F. Shea, wheels, tires, etc.	46.45
485	Alex N. Barker & Company, brick, etc.	14.38
486	John M. Friend, cement, etc.	37.35
487	Chas. S. Goddard, chain, etc.	3.45
488	Newport Paper & Grocery Company, toilet	.84
489	Dring & Smith, lead	3.76
490	Stamps & express	1.15
491	J. J. Connell, kerosene	7.50
492	J. K. Sullivan, gravel	4.13
493	A. J. Fludder, pipe	25.80
494	N. Y., N. H. & H. R. R. Co., freight	1.81
495	Dr. F. deM. Bertram, vet. services	25.00
496	J. Stacy Brown, stone	7.70
	Pay Roll	3,480.94
		$87,598.63

DECEMBER.

497	The Peckham Company, oil, etc.	$4.25
498	Newport Gas Light Company, use of radiator	1.22
499	Downing Brothers, nitre	.35
500	G. H. Burnham, screws, etc.	$5.80
501	Remington Ward, paper	1.25
502	Edward S. Peckham, fuel	8.88
503	N. Y., N. H. & H. R. R. Co., cinders	27.50
504	James J. Dugan, garbage	661.85
505	George T. King, labor at dump	54.00
506	Cornelius Harrington, labor at dump	54.00
507	H. L. Marsh & Company, forage	137.57
508	George W. Callahan, shoeing	1.75
509	Shreenan & Sullivan, shoeing	4.50
510	M. Kennedy, shoeing	2.00
511	H. H. Lawton, stable supplies	4.25
512	O. R. Braman, team snaps	.50
513	Dring & Smith, lead	.90
514	Alex N. Barker & Company, nails, etc.	2.93
515	George A. Weaver Company, brush, etc.	.75
516	Chas. S. Goddard, sharpening tools, etc.	1.35
517	Ralph R. Barker, brushes, paint, etc.	38.24
518	J. K. Sullivan, contract	1,069.00
519	Morgan Brothers, contract building sea wall	1,866.00
520	John M. Friend, cement	7.75
521	Philip F. Conroy, pipe, etc.	21.82
522	J. K. Sullivan, gravel	52.00
523	Wright Brothers, paint, etc.	11.50

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524	George H. Chase, blue prints	1.71
525	Julius Burdick, bicycle tire	4.00
	Pay Rolls	2,171.09
		$93,817.34

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Annual Report
of the
Street and Highway Department

OF THE

CITY OF NEWPORT
RHODE ISLAND

Municipal Year of 1909

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Annual Report

OF THE

Compliments of

J. K. Sullivan,
Street Commissioner

Francis M. Sisson, Clerk.

CITY OF NEWPORT

RHODE ISLAND

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Annual Report of Street Commissioner

To the Honorable Representative Council of the City of Newport:—

Gentlemen:—I have the honor of submitting the following report of the operations of the Department of Streets and Highways for the municipal year of 1909.

STATISTICS.

This office has carefully prepared and revised the following statistics from the records of the department, viz:

Streets.

	Mileage.
Granite block pavement	1.69
Bitulithic and Granite block pavement	1.56
Telford macadam	15.35
Macadam	40.23
Tarvia-madacam	2.06
Tarvia	1.36
Cobble	.51
Dirt	27.82
Total	90.67

Sidewalks.

Granolithic	16.657
Granolithic & dirt	.705
Flagstone	2.598
Flagstone and cobble	.145
Flagstone and dirt	1.428
Brick	2.898
Asphalt	.644
Asphalt block	.485
Plank	313
Dirt	88.334
Total	114.207

Gutters.

Granite culls	15.91
Cobbles	36.44
Flagstone and cobble	.92
Total	53.27

Curb.

Bluestone	40.788
Granite	13.787
Granolithic	1.853
Total	56.429

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Sewers.

Vitrified pipe	35.685
Cast iron pipe	.599
Circular brick	4.727
Brick	1.449
Stone	.516
Tunnel	.388
Cement pipe	.104
Total	43.468
Total number of Catch Basins	448
Total number of Eyeholes	144
Total	592

City Wharf.

Various repairs have been made during the year to the stable and other buildings located on the City Wharf, at an expense of two hundred and six and sixty-five one hundredth dollars.

I respectfully call your attention to the dilapidated condition of the buildings situated on the City Wharf. The stable is not only worn out but is too small to accommodate all of the horses, consequently we are obliged to keep some of them in adjoining sheds. We are also in need of more shed room for the carts and gears, so as to keep them all under cover and protect them from the weather. The Yard Office building should be raised up to the grade of Long Wharf.

I therefore recommend that a new stable be erected or the one now in use be enlarged, to meet all the requirements of the department, also additional shed room and necessary repairs to the yard office building.

Horses and Carts.

One pair of horses were purchased this year, at an expense of six hundred and fifty dollars, the payment of which was made from the emergency fund. These horses were bought to replace a pair of worn-out horses; the latter were sold at auction by Mr. F. W. Greene for $250.00, less commission of $25.00, the net sum realized being $225.00, which amount was deposited with the City Treasurer to the credit of the emergency fund.

I would recommend that an appropriation of $650.00 be made each year for the purchase of horses, because with my long experience with horses, I find that their length of life and usefulness cannot be depended upon.

The Chief of the Fire Department has again this year kindly loaned to this department, a horse for his "keep", so that we were not obliged to purchase a horse this year for general work, although there was an appropriation of one hundred dollars allowed for same.

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One of the carts has received a new body and various repairs have been made to other carts.

The permanent employees of the department will repair and repaint the carts and gears during the winter months, and they will be in good condition for the spring work.

Removal of Snow and Ice.

The city is again very fortunate this year in the expense of the removal of snow and ice, graveling crosswalks, etc.

The total cost this year being but $804.54, which is $876.22 less than last year.

This office has prepared the following table which will give you the comparative cost of the removal of snow for the past ten years, viz:

1900	$ 483.08
1901	1,078.70
1902	2,967.17
1903	8,049.79
1904	1,860.55
1905	2,752.04
1906	620.42
1907	4,087.16
1908	1,680.76
1909	804.54
Total	$24,384.21

This makes an average cost per year for the past ten years of $2,438.42. To convince you of the uncertainty of the cost of the removal of snow, I refer you to the year 1903, when the expenditure was $8,049.79 for this purpose.

Removal of Snow.

	Department Teams		Carts.		Hired Teams.		Total.
	Loads.	Cu. Yds.	Loads.	Cu. Yds.	Loads.	Cu. Yds.	Cu. Yds
Jan. 15	46	138	45	67½	none	none	205½
Feb. 5	22	66	51	76½	none	none	142½
Total	68	204	96	144			384

Cleaning Streets.

The Street Cleaning Department is divided into several sections; section No. 1 and No. 2, cover the most thickly inhabited part of the city, other than the permanent pavements, and during the past season they have cleaned a total area of 6,208,620.06 square yards and removed 3,331 loads of material from the streets.

Section No. 3 and No. 4, cover mostly surburban districts, and in addition to sweeping streets, they do weeding, mowing of grass trimming edges and perform various other odd jobs of repairs to streets and sidewalks; during the past season these two gangs have

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covered their districts as follows, viz: Total area cleaned, 4,437,-924.25 square yards; total area of grass mowed, 1,085,865 square yards; and they have removed 4,219 loads of material from the streets and highways.

Section No. 5 is employed on Bellevue Avenue during the summer season, which they cover about twice a day.

The above mentioned sweepers are employed only part of the year, which is regulated by weather conditions and the amount of the appropriation. This year the season commenced on April 5th and ended on December 4th, and at a total expense of $16,602.59

The permanent pavements of Thames and Spring Streets, Broadway and Long Wharf, including Washington Square, are swept throughout the year, except upon extreme cold weather or when the pavements are covered with snow and ice. The expense of sweeping these paved streets varies in cost each year, owing to light or heavy snow falls.

The total cost of sweeping the permanent pavements this year was $10,990.88, which in addition to the cost of sweeping all other streets, makes a total expense of $27,593.47 for the cleaning of streets, which is $583.24 less than last year.

The following table will give you some idea of the area, cost, etc., of the street cleaning, viz:

Cleaning Streets—Season 1909.

Permanent Pavements	Sq. Yds.	Cost per Sq. Yd. Avg.	Total Cost.
Thames Street	17,613.21	.329	$5,806.72
Spring Street	16,301.04	.135	2,208.01
Broadway & Washington Sq.	15,290.32	.131	2,092.66
Long Wharf	3,179.40	.277	883.49
Total	52,383.97	.209	$10,990.88
All other streets	1,012,467.95	.016	16,602.59
Total	1,064,851.92	.026	$27,593.47

Collection and Disposal of City Garbage.

This is the third year that the garbage has been collected under the five-year contract with Mr. James J. Dugan.

Twenty-three complaints have been made this year which were properly adjusted by the contractor.

The Wellington Avenue Dump was abandoned on the 13th of August; because there was no more room for filling. The man that was employed at this dump was transferred to the Homer Street dump to assist the other man who is employed there.

On November 5th the Contractor was given permission to dump

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at Anthony's Ledge on Harrison Avenue on Thursdays or Fridays of each week.

On July 15th, your Honorable Body made an appropriation of $200.00 for the building of a portable cage and for labor burning the paper, etc., during the night time, at the Wellington Avenue dump, but the amount appropriated was more than sufficient, the actual cost being but $59.15.

Gravel.

The gravel contract for furnishing Paving gravel to this department for the municipal year of 1909, was awarded to James J. Dugan by the Honorable Board of Aldermen, at the rate of sixty-nine (69) cents per ton, to be delivered on the City Wharf or such other wharves as the Street Commissioner may designate, also, that said gravel to be satisfactory to the Street Commissioner in fineness and quality, free from loam, sand, shells and other foreign substances, and to be of the same quality as the sample submitted. The gravel question has been "A bone of contention" with this department since the contract was awarded.

For a number of years past it has been the custom for the contractor to deliver the gravel on the City Wharf, when so notified by the Street Commissioner, and monthly payments was made of same as the gravel was weighed over the City scales, but this arrangement evidently did not meet with the approval of the present contractor. With Voucher No. 176 this department paid the contractor for all gravel weighed up to and including April 26th, 1909, amounting to 60-810 tons. On May 6th, the contractor presented to, and the Honorable Board of Aldermen ordered paid, without my approval, Voucher No. 186 for 168-1190 tons of gravel, which the contractor claimed was the balance of gravel he had delivered on the City Wharf. A careful weighing was made of this gravel and it weighed out 136-340 tons, a difference or shortage of 32-850 tons.

I would also say, that part of the gravel delivered did not meet with my approval, because it was not of the same quality as the sample submitted.

To emphasize the fact that the weighing of the gravel over the City scales is the best method for all concerned, I will say, that owing to the gravel controversy, I instructed the City Engineer to measure the gravel which was delivered on the City Wharf during the latter part of the month of June. The City Engineer's official measurement was 2346 cu. ft., equal to 87 cu. yds., which at 2550 lbs. each, makes a total weight of 110-1850 tons, which plus 1-710 tons which was weighed before the said measurement, makes a total of 112-560 tons, which was paid to the contractor as per Voucher No. 260. This load of gravel was also carefully weighed

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out over the city scales and amounted to 126-1220 tons, or 14-660 tons more than the measurement of the City Engineer. This difference deducted from the overpayment as per Voucher No. 186, makes a difference of 18-190 tons of gravel which the city has paid for, but has not received. I submit a detail report as follows, viz:

Voucher No. 186.

Paid by order of Board of Aldermen (without my approval)		168-1190 tons
Weighed as per city scales		136- 340 tons
Overpaid		32- 850 tons
Voucher No. 260 (As weighed over the City scales)		126-1220 tons
Paid as per measurement of City Engineer	110-1850	
Plus amount weighed before measurement	1- 710	112-56 tons
Weighed out more than measurement		14-660 tons
Overpaid as per Voucher No. 186		32-850 tons
Over weighed more than City Engineer Measurement (Voucher No. 260)		14-660 tons
Paid for but not received		18-190 tons

I understand that the Board of Aldermen on July 9th, also paid for another balance which was claimed by the contractor, on this latter cargo, to the amount of $35.38, which in addition to the overpayment as per above statement, amounting to $13.08, makes a total of $48.46 that the contractor has received for gravel in excess of the weight over the city scales, and which amount has been paid from the appropriation of Streets and Highways, without my approval.

Cleaning Catch Basins.

Four men with carts are employed from ten to eleven months of the year in the work of cleaning and flushing Catch Basins and Eyeholes. 1583 Catch Basins and Eyeholes were cleaned this year, at a total cost of $3,253.30 or an average cost of $2.06 each. 1525 loads of material was removed from these catch basins.

Catch Basins and Eyeholes.

	CATCH BASINS	EYEHOLES	TOTAL
Total number reported last year	444	139	583
Built during the year 1909, as follows, viz:			
Carroll Ave., at Bateman Ave., north side	1		1
Coggeshall Ave., at A. T. Anthony Est., east side		1	1
Coggeshall Ave., at A. T. Anthony Est., west side		1	1
Coggeshall Ave., at Jones Est., east side	1	1	1
Coggeshall Ave., at Mayer Est., west side		1	1
Coggeshall Ave., at Jones Est., west side		1	1
Connection at Marchant St., N. W cor.		1	1
Ridge Road, south of King Farm Driveway E. side	1		1
Morton Avenue, near Spring St., north side	1		1
	448	144	592

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Cleaning Main Sewers.

Four men are employed throughout the year (weather permitting) to flush and keep clear our sewerage system. We have now about forty-three miles of sewers and the total expense this year for this work was $2,518.41 or an average cost of $58.56 per mile for the season. I would again suggest that no more sewers be built of a diameter of less than ten inches. Nearly one-half of our sewerage system is comprised of eight inch pipe, which is of too small capacity to take care of the increasing amount of house drainage and storm water. During the year seventy-nine sewer connections have been inspected by this department.

About 91 tons of gravel taken from the main sewers this year was used for various work. A net saving to the department of $62.79.

Watering Streets.

This office again this year has been diligently at work to determine the amount of water used and the mileage and area covered by the watering of streets.

The total cost of watering this year was $10,077.23 or $150.40 per mile watered during the entire season, which is about $9.40 less than last season.

Although this has been a very dry season the total watering days were 206 days less than last year.

About sixty-seven (67) miles of streets are watered on an average of twice per day.

The watering of streets commenced on May 10th and continued until October 30th, when the hired teams were retired.

I would recommend the purchase of two single watering carts, to replace worn out carts. During the winter months the watering carts will be thoroughly overhauled, repaired and repainted by the permanent men in the employ of the department.

We take pleasure in submitting to your honorable body the following statistics of the street watering, viz:

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STREET WATERING.

Single Cart No. 10. Capacity 350 Gals.

Loads per day—Fresh, 50; Salt, None. Gallons used per day—Fresh, 17,500; Salt, None.

		Totals. Gallons of Water Used.			Mileage of Streets Watered.			Area of Streets Watered		
1909.	Days Wat'd	Fresh	Salt	Total	Fresh	Salt	Total	Sq. yds. Fresh	Sq. yds. Salt	Sq. yds. Total
May	11	192,500	----------	192,500	97.79	--------	97.79	1,158,831.30	----------	1,158,831.30
June	18	315,000	----------	315,000	160.02	--------	160.02	1,896,269.40	----------	1,896,269.40
July	23–2	406,875	----------	406,875	206.69	--------	206.69	2,449,347.98	----------	2,449,347.98
Aug.	20–6	363,125	----------	363,125	184.47	--------	184.47	2,185,977.22	----------	2,185,977.22
Sept.	11–4	201,250	----------	201,250	102.24	--------	102.24	1,211,505.45	----------	1,211,505.45
Oct.	3	52,500	----------	52,500	26.67	--------	26.67	316,044.90	----------	316,044.90
	87–4	1,531,250	----------	1,531,250	777.88	--------	777.88	9,217,976.25	----------	9,217,976.25

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STREET WATERING.

Single Cart No. 14. Capacity 350 Gals.

Loads per day—Fresh, 38; Salt, None. Gallons used per day—Fresh, 13,300; Salt, None.

1909.	Days Wat'd	Totals. Gallons of Water Used. Fresh	Salt	Total	Mileage of Streets Watered. Fresh	Salt	Total	Area of Streets Watered Sq. yds. Fresh	Sq. yds. Salt	Sq. yds. Total
May	11	146,300	----------	146,300	70.95	--------	70.95	763,685.78	----------	763,685.78
June	18	239,400	----------	239,400	116.10	--------	116.10	1,249,667.64	----------	1,249,667.64
July	23–1	307,563	----------	307,563	149.16	--------	149.16	1,605,475.79	----------	1,605,475.64
Aug.	21–2	282,625	----------	282,625	137.06	--------	137.06	1,475,302.07	----------	1,475,302.07
Sept.	11–4	152,950	----------	152,950	74.17	--------	74.17	798,398.77	----------	798,398.77
Oct.	12–4	166,250	----------	166,250	80.63	--------	80.63	867,824.75	----------	867,824.75
	97–3	1,295,088	----------	1,295,088	628.07	--------	628.07	6,760,354.80	----------	6,760,354.80

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STREET WATERING.

Single Cart No. 16. Capacity 850 Gals

Loads per day—Fresh, 41; Salt, None. Gallons used per day Fresh, 14,800; Salt, None

1909.	Days Wat'd	Totals. Gallons of Water Used. Fresh	Salt	Total	Mileage of Streets Watered. Fresh	Salt	Total	Area of Streets Watered. Sq. yds. Fresh	Sq. yds. Salt	Sq. yds. Total
May	12–2	175,788	----------	175,788	75.40		75.40	1,033,404.83		1,033,404.83
June	21	301,350	----------	301,350	129.30		129.30	1,771,000.98		1,771,000.98
July	27–6	398,212	----------	398,212	170.94		170.94	2,341,175.37		2,341,175.37
Aug.	26	373,100	----------	373,100	160.10		160.10	2,103,540.08		2,103,540.08
Sept.	11–4	165,025	----------	165,025	70.84		70.84	970,210.82		970,210.82
Oct.	12–4	179,375	----------	179,375	77.00		77.00	1,054,583.00		1,054,583.00
	111	1,592,850	... ...	1,592,850	683.76		683.76	9,304,704.48		9,304,704.48

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STREET WATERING.

Single Cart No. 17. Capacity 300 Gals.

Loads per day—Fresh, 45; Salt, None. Gallons used per day—Fresh, 13,500; Salt, None.

1909.	Days Wat'd	Totals. Gallons of Water Used. Fresh	Salt	Total	Mileage of Streets Watered. Fresh	Salt	Total	Area of Streets Watered Sq. yds. Fresh	Sq. yds. Salt	Sq. yds. Total
May	11	148,500	----------	148,500	111,10	--------	111.10	1,202,219.70	----------	1,202,219.70
June	20	270,000	----------	270,000	202.00	--------	202.00	2,185,854.00	----------	2,185,854.00
July	27–5	372,938	----------	372,938	279.01	--------	279.01	3,019,210.84	----------	3,019,210.84
Aug.	24–2	327,375	----------	327,375	244.93	--------	244.93	2,650,347.97	----------	2,650,347.97
Sept.	11–4	155,250	----------	155,250	116.15	--------	116.15	1,256,866.05	----------	1,256,866.05
Oct.	12–4	168,750	----------	168,750	126.25	--------	126.25	1,366,158.75	----------	1,366,158.75
	106–7	1,442,813	----------	1,442,813	1,079.44	--------	1,079.44	11,680,657.31	----------	11,680,657,31

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STREET WATERING.

Single Cart No. 18. Capacity 350 Gals.

Loads per day—Fresh, 50; Salt, None. Gallons used per day Fresh, 17,500; Salt, None.

		Totals. Gallons of Water Used.			Mileage of Streets Watered.			Area of Streets Watered		
1909.	Days Wat'd	Fresh	Salt	Total	Fresh	Salt	Total	Sq. yds. Fresh	Sq. yds. Salt	Sq. yds. Total
May	11	192,500	----------	192,500	86.68	--------	86.68	1,345,296.04	----------	1,345,296.04
June	18	315,000	----------	315,000	141.84	--------	141.84	2,201,393.52	----------	2,201,393.52
July	23	402,500	----------	402,500	181.24	--------	181.24	2,812,891.72	----------	2,812,891.72
Aug.	21–2	371,875	----------	371,875	167.45	--------	167.45	2,598,867.35	----------	2,598,867.35
Sept.	11–4	201,250	----------	201,250	90.62	--------	90.62	1,406,445.86	----------	1,406,445.86
Oct.	3	52,500	----------	52,500	23.64	--------	23.64	366,808.02	----------	366,808.02
	87–6	1,535,625	----------	1,535,625	691.47	--------	691.47	10,731,703.41	----------	10,731,703.41

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STREET WATERING.

Single Cart No. 19. Capacity 300 Gals.

Loads per day—Fresh, 42; Salt, None. Gallons used per day—Fresh, 12,600; Salt, None.

		Totals. Gallons of Water Used.			Mileage of Streets Watered.			Area of Streets Watered		
1909.	Days Wat'd	Fresh	Salt	Total	Fresh	Salt	Total	Sq. yds. Fresh	Sq. yds. Salt	Sq. yds. Total
May	11	138,600	----------	138,600	74.03	--------	74.03	791,593.66	----------	791,593.66
June	18	226,800	----------	226,800	121.14	--------	121.14	1,295,335.08	----------	1,295,335.08
July	23	289,800	----------	289,800	154.79	--------	154.79	1,655,150.38	----------	1,655,150.38
Aug.	21–2	267,750	----------	267,750	143.01	--------	143.01	1,529,215.03	----------	1,529,215.03
Sept.	11–4	144,900	----------	144,900	77.40	--------	77.40	827,575.19	----------	827,575.19
Oct.	3	37,800	----------	37,800	20.19	--------	20.19	215,889.18	----------	215,889.18
	87–6	1,105,650	----------	1,105,650	590.56	--------	590.56	6,314,758.52	----------	6,314,758.52

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STREET WATERING.

Single Cart No. 20. Capacity 300 Gals.

Loads per day—Fresh, 45; Salt, None. Gallons used per day—Fresh, 13,500; Salt, None.

1909.	Days Wat'd	Totals. Gallons of Water Used. Fresh	Salt	Total	Mileage of Streets Watered. Fresh	Salt	Total	Area of Streets Watered Sq. yds. Fresh	Sq. yds. Salt	Sq. yds. Total
May	11	148,500	----------	148,500	78.98	--------	78.98	984,932.52	----------	984,932.52
June	18	243,000	----------	243,000	129.24	--------	129.24	1,611,707.76	----------	1,611,707.76
July	23	310,500	----------	310,500	165.14	--------	165.14	2,059,404.36	----------	2,059,404.36
Aug.	21–2	286,875	----------	286,875	152.58	--------	152.58	1,902,710.55	----------	1,902,710.55
Sept.	11–4	155,250	----------	155,250	82.57	--------	82.57	1,029,702.18	----------	1,029,702.18
Oct.	12–4	168,750	----------	168,750	89.75	--------	89.75	1,119,241.50	----------	1,119,241.50
	97–2	1,312,875	----------	1,312,875	698.26	--------	698.26	8,707,698.87	----------	8,707,698.87

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STREET WATERING.

Single Cart No. 22. Capacity 300 Gals.

Loads per day—Fresh, 38; Salt, None. Gallons used per day—Fresh, 11,400; Salt, None.

		Totals. Gallons of Water Used.			Mileage of Streets Watered.			Area of Streets Watered		
1909.	Days Wat'd	Fresh	Salt	Total	Fresh	Salt	Total	Sq. yds. Fresh	Sq. yds. Salt	Sq. yds. Total
May	10–4	119,700	----------	119,700	74.45	--------	74.45	736,262.94	----------	736,262.94
June	18	205,200	----------	205,200	127.62	--------	127.62	1,262,165.04	----------	1,262,165.04
July	23–3	266,475	----------	266,475	165.73	--------	165.73	1,639,061.55	----------	1,639,061.55
Aug.	21–2	242,250	----------	242,250	150.66	--------	150.66	1,490,055.95	----------	1,490,055.95
Sept.	11–4	131,100	----------	131,100	81.53	--------	81.53	806,383.22	----------	806,383.22
Oct.	3	34,200	----------	34,200	21.27	--------	21.27	210,360.84	----------	210,360.84
	87–5	998,925	----------	998,925	621.26	--------	621.26	6,144,289.54	----------	6,144,289.54

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STREET WATERING.

Single Cart No. 36. Capacity 350 Gals.

Loads per day—Fresh, 34; Salt, 2. Gallons used per day- Fresh, 11,900; Salt, 700.

		Totals. Gallons of Water Used.			Mileage of Streets Watered.			Area of Streets Watered		
1909.	Days Wat'd	Fresh	Salt	Total	Fresh	Salt	Total	Sq. yds. Fresh	Sq. yds. Salt	Sq. yds. Total
Apr.	2	23,800	1,400	25,200	12.06	.78	12.84	120,693.72	6,639.04	127,332.76
May	11–7	141,313	8,312	149,625	71.61	4.63	76.24	716,618.06	39,419.30	756,038.26
June	19–1	227,587	13,388	240,975	115.32	7.46	122.78	1,154,133.70	63,485.82	1,217,619.52
July	23.5	281,138	165,37	297,675	142.46	9.21	151.67	1,425,694.57	78,423.66	1,504,118.23
Aug.	21–2	252,875	14,875	267,750	128.13	8.29	136.42	1,282,370.77	70,539.80	1,352,910.57
Sept.	11	130,900	7,700	138,600	66.33	4.29	70.62	663,815.46	36,514.72	700,330.18
Oct.	12–6	151,725	8,925	160,650	76.79	4.07	81.86	769,422.47	42,323.88	811,746.35
	101–5	1,209,338	71,137	1,280,475	612.80	39.63	652.43	6,132,749.65	337,346.22	6,470,095.87

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STREET WATERING.

Single Cart No. 37. **Capacity 350 Gals.**

Loads per day—Fresh, 33; Salt, 3. **Gallons used per day—Fresh, 11,550; Salt, 1,050.**

		Totals. Gallons of Water Used.			Mileage of Streets Watered.			Area of Streets Watered		
1909.	Days Wat'd	Fresh	Salt	Total	Fresh	Salt	Total	Sq. yds. Fresh	Sq. yds. Salt	Sq. yds. Total
Apr.	2–2	25,987	2,363	28,350	15.35	5.85	21.20	158,436.14	76,517.66	234,953.80
May	10–4	121,275	11,025	132,300	71.61	27.30	98.91	739,368.63	357,082.43	1,096,451.06
June	19–7	229,556	20,869	250,425	135.55	51.67	187.22	1,399,519.19	675,906.02	2,075,425.21
July	23.5	272,869	24,806	297,675	161.12	61.43	222.55	1,663,579.42	803,435.45	2,467,014.87
Aug.	22–4	259,875	23,625	283,500	153.45	58.50	211.95	1,584,361.35	765,176.63	2,349,537.98
Sept.	11	127,050	11,550	138,600	75.02	28.60	103.62	774,576.66	374,086.35	1,148,663.01
Oct.	13–2	153,038	13,912	166,950	90.36	34.45	124.81	933,012.79	450,604.01	1,383,616.80
	103	1,189,650	108,150	1,297,800	702.46	267.80	970.26	7,252,854.18	3,502,808.55	10,755,662.73

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STREET WATERING.

Double Cart No. 25. Capacity 600 Gals.

Loads per day Fresh, 34; Salt, 2. Gallons used per day Fresh, 20,400; Salt, 1,200.

		Totals. Gallons of Water Used.			Mileage of Streets Watered.			Area of Streets Watered		
1909	Days Watd	Fresh	Salt	Total	Fresh	Salt	Total	Sq. yds. Fresh	Sq. yds. Salt	Sq. yds. Total
May	11	224,400	13,200	237,600	120.45	33.55	154.00	1,869,041.68	472,735.56	2,341,777.24
June	20	408,000	24,000	432,000	219.00	61.00	280.00	3,398,257.60	859,519.20	4,257,776.80
July	27 1	553,350	32,550	585,900	297.02	82.73	379.75	4,608,886.87	1,165,722.92	5,774,609.79
Aug.	26	530,400	31,200	561,600	284.70	79.30	364.00	4,417,734.88	1,117,374.96	5,535,109.84
Sept.	12	244,800	14,400	259,200	131.40	36.60	168.00	2,038,954.56	515,711.52	2,554,666.08
Oct.	2 4	51,000	3,000	54,000	27.37	7.63	35.00	424,782.20	107,439.90	532,222.10
	98 5	2,011,950	118,350	2,130,300	1,079.94	300.81	1,380.75	16,757,657.79	4,238,504.06	20,996,161.85

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STREET WATERING.

Double Cart No. 27. Capacity 600 Gals.

Loads per day—Fresh, 40; Salt, None. Gallons used per day—Fresh, 24,000; Salt, None.

		Totals. Gallons of Water Used.			Mileage of Streets Watered.			Area of Streets Watered		
1909.	Days Wat'd	Fresh	Salt	Total	Fresh	Salt	Total	Sq. yds. Fresh	Sq. yds. Salt	Sq. yds. Total
May	12	288,000	----------	288,000	146.28	--------	146.28	2,120,496.96	----------	2,120,496.96
June	21	504,000	----------	504,000	255.99	--------	255.99	3,710,869.68	----------	3,710,869.68
July	27–5	663,000	----------	663,000	336.75	--------	336.75	4,881,560.71	----------	4,881,560.71
Aug.	26	624,000	----------	624,000	316.94	--------	316.94	4,594,410.08	----------	4,594,410.08
Sept.	14–2	342,000	----------	342,000	173.71	--------	173.71	2,518,090.14	----------	2,518,090.14
Oct.	16–6	402,000	----------	402,000	204.18	--------	204.18	2,959,860.34	----------	2,959,860.34
	117–5	2,823,000	----------	2,823,000	1,433.85	--------	1,433.85	20,785,287.91	----------	20,785,287.91

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[illegible]

[illegible]

Gallons used per day—Fresh, 15,000; Salt, 2,000.

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	Area of Streets Watered		
					Sq. yds. Fresh	Sq. yds. Salt	Sq. yds. Total
[illegible]	[illegible]	[illegible]	[illegible]	47.44	642,064.65	132,166.57	774,231.22
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1,526,744.90	316,333.09	1,843,077.99
[illegible]	[illegible]	[illegible]	[illegible]	97.70	1,673,578.35	344,499.74	2,018,078.09
[illegible]	[illegible]	[illegible]	11.476	117.21	2,010,399.15	413,833.01	2,424,232.16
[illegible]	[illegible]	[illegible]	10.47	104.35	1,789,360.50	368,333.05	2,157,693.55
[illegible]	[illegible]	[illegible]	[illegible]	54.01	926,257.20	190,666.52	1,116,923.72
[illegible]	[illegible]	[illegible]	[illegible]	60.15	1,031,513.70	212,333.17	1,243,846.87
[illegible]	[illegible]	[illegible]	[illegible]	560.36	9,609,918.45	1,978,165.15	11,588,083.60

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STREET WATERING.

Double Cart No. 29. **Capacity 600 Gals.**

Loads per day—Fresh, 36; Salt, None. **Gallons used per day—Fresh, 21,600; Salt, None.**

		Totals. Gallons of Water Used.			Mileage of Streets Watered.			Area of Streets Watered		
1909.	Days Wat'd	Fresh	Salt	Total	Fresh	Salt	Total	Sq. yds. Fresh	Sq. yds. Salt	Sq. yds. Total
May	11	237,600	----------	237,600	129.69	--------	129.69	1,968,046.30	----------	1,968,046.30
June	20	432,000	----------	432,000	235.80	--------	235.80	3,578,266.00	----------	3,578,266.00
July	27–1	585,900	----------	585,900	319.81	--------	319.81	4,853,023.26	----------	4,853,023.26
Aug.	26	561,600	----------	561,600	306.54	--------	306.54	4,651,745.80	----------	4,651,745.80
Sept.	11–4	248,400	----------	248,400	135.59	--------	135.59	2,057,502.95	----------	2,057,502.95
Oct.	12–4	270,000	----------	270,000	147.37	--------	147.37	2,236,416.25	----------	2,236,416.25
	108–1	2,335,500	----------	2,335,500	1,274.80	--------	1,274.80	19,345,000.56	----------	19,345,000.56

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STREET WATERING.

Double Cart No. 30 — Capacity 900 Gals.

Loads per day: Fresh, 18; Salt, 7 — Gallons used per day: Fresh, 10,800; Salt, 4,200.

1900	Days Worked	Total Gallons of Water Used: Fresh	Salt	Total	Mileage of Streets Watered: Fresh	Salt	Total	Area of Streets Watered: Sq. yds. Fresh	Sq. yds. Salt	Sq. yds. Total
May	11	115,500	46,200	161,700	43.45	23.43	66.88	664,685.34	440,000.00	1,104,685.34
June	20	216,000	84,000	300,000	79.00	42.60	121.60	1,208,518.80	800,000.00	2,008,518.80
July	21.4	232,560	115,320	348,876	101.14	57.78	164.92	1,639,053.02	1,085,000.00	2,724,053.02
Aug.	26	250,800	109,200	360,000	102.70	55.38	158.08	1,571,074.44	1,040,000.00	2,611,074.44
Sept.	11.4	124,200	48,300	172,500	46.43	24.49	68.92	694,898.31	460,000.00	1,154,898.31
	90.9	1,039,560	403,620	1,434,376	377.72	203.68	581.40	5,778,230.51	3,825,000.00	9,603,230.51

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STREET WATERING.

Double Cart No. 31. Capacity 600 Gals.

Loads per day—Fresh, None; Salt, 12. Gallons used per day—Fresh, None; Salt, 7,200.

		Totals. Gallons of Water Used.			Mileage of Streets Watered.			Area of Streets Watered		
1909.	Days Wat'd	Fresh	Salt	Total	Fresh	Salt	Total	Sq. yds. Fresh	Sq. yds. Salt	Sq. yds. Total
May	11	----------	79,200	79,200	--------	77.22	77,22	----------	1,450,357.26	1,450,357.26
June	20	----------	144,000	144,000	--------	140.40	140.40	----------	2,637,013.20	2,637,013.20
July	27-1	----------	195,300	195,300	--------	190.42	190.42	----------	3,576,449.15	3,576,449.15
Aug.	26	----------	187,200	187,200	--------	182.52	182.52	----------	3,428,117.16	3,428,117.16
Sept.	11-4	----------	82,800	82,800	--------	80.73	80.73	----------	1,516,282.59	1,516,282.59
	95-5	----------	688,500	688,500	--------	671.29	671.29	----------	12,608,219.36	12,608,210.36

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STREET WATERING.

Double Cart No. 32. Capacity 700 Gals.

Loads per day—Fresh, 35; Salt, None. Gallons used per day—Fresh, 24,500; Salt, None.

		Totals. Gallons of Water Used.			Mileage of Streets Watered.			Area of Streets Watered		
1909.	Days Wat'd	Fresh	Salt	Total	Fresh	Salt	Total	Sq. yds. Fresh	Sq. yds. Salt	Sq. yds. Total
May	12–2	300,125	----------	300,125	122.09	--------	122.09	1,893,902.43	----------	1,839,902.43
June	21	514,500	----------	514,500	210.84	--------	210.84	3,246,689.88	----------	3,246,689.88
July	27–5	676,813	----------	676,813	277.36	--------	277.36	4,270,943.24	----------	4,270,943.24
Aug.	26	637,000	----------	637,000	261.04	--------	231.04	4,019,711.28	----------	4,019,711.28
Sept.	11–4	281,750	----------	281,750	115.46	--------	115.46	1,777,949.22	----------	1,777,949.22
Oct.	11–4	281,750	----------	281,750	115.46	--------	115.46	1,777,949.22	----------	1,777,949.22
	109–7	2,691,938	----------	2,691,938	1,103.15	--------	1,103.15	16,987,145.27	----------	16,987,145.27

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STREET WATERING.

Double Cart No. 33. Capacity 600 Gals.

Loads per day—Fresh, 20; Salt, None. Gallons used per day—Fresh, 12,000; Salt, None.

		Totals. Gallons of Water Used.			Mileage of Streets Watered.			Area of Streets Watered		
1909.	Days Wat'd	Fresh	Salt	Total	Fresh	Salt	Total	Sq. yds. Fresh	Sq. yds. Salt	Sq. yds. Total
June	8–1	97,500	----------	97,500	62.48	--------	62.48	1,425,678.64	----------	1,425,678.64
July	23–1	277,500	----------	277,500	177.83	--------	177.83	4,057,700.73	----------	4,057,700.73
Aug.	21–2	255,000	----------	255,000	163.41	--------	163.41	3,728,597.98	----------	3,728,697.98
Sept.	11–4	138,000	----------	138,000	88.44	--------	88.44	2,017,883.61	----------	2,017,883.61
	64	768,000	----------	768,000	492.16	--------	492.16	11,229,960.96	----------	11,229,960.96

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SUMMARY OF STREET WATERING.

Cart.	Days Wat'd	Totals. Gallons of Water Used. Fresh	Salt	Total	Mileage of Streets Watered. Fresh	Salt	Total	Area of Streets Watered. Sq. yds. Fresh	Sq. yds. Salt	Sq. yds. Total
No. 25	98–5	2,011,950	118,350	2,130,300	1,079.94	300.81	1,380.75	16,757,657.79	4,238,504.06	20,996,161.85
No. 27	117–5	2,823,000	----------	2,823,000	1,433.85	--------	1,433.85	20,785,287.91	----------	20,785,287.91
No. 28	114–1	2,054,250	273,900	2,328,150	504.44	55.92	560.36	9,609,918.45	1,978,165.15	11,588,083.60
No. 29	108–1	2,335,500	----------	2,335,500	1,274.80	--------	1,274.80	19,345,000.56	----------	19,345,000.56
No. 30	95–5	1,032,750	401,625	1,434,375	377.72	203.68	581.40	5,778,230.51	3,825,000.00	9,603,230.51
No. 31	95–5	----------	688,500	688,500	--------	671.29	671.29	----------	12,608,210.36	12,608,210.36
No. 32	109–7	2,691,938	----------	2,691,938	1,103.15	--------	1,103.15	16,987,145.27	----------	16,987,145.27
No. 33	64	768,000	----------	768,000	492.16	--------	492.16	11,220,000.00	----------	11,220,000.00
No. 10	87–4	1,531,250	----------	1,531,250	777.88	--------	777.88	9,217,976.25	----------	9,217,976.25
No. 14	97–3	1,295,088	----------	1,295,088	628.07	--------	628.07	6,760,354.80	----------	6,760,354.80
No. 16	111	1,592,850	----------	1,592,850	683.76	--------	683.76	9,364,701.48	----------	9,364,701.48
No. 17	106–7	1,442,813	----------	1,442,813	1,079.44	--------	1,079.44	11,080,657.31	----------	11,080,657.31
No. 18	87–6	1,535,625	----------	1,535,625	691.47	--------	691.47	10,731,793.41	----------	10,731,793.41
No. 19	87–6	1,105,650	----------	1,105,650	590.56	--------	590.56	6,314,758.52	----------	6,314,758.52
No. 20	97–2	1,312,875	----------	1,312,875	698.26	--------	698.26	8,707,698.87	----------	8,707,698.87
No. 22	87–5	998,925	----------	998,925	621.26	--------	621.26	6,144,280.54	----------	6,144,280.54
No. 36	101–5	1,209,338	71,137	1,280,475	612.80	39.63	652.43	6,132,740.65	337,340.22	6,470,005.87
No. 37	103	1,189,650	108,150	1,297,800	702.46	267.80	970.26	7,252,854.18	3,502,808.55	10,755,662.73
	1771–3	26,931,452	1,661,662	28,593,114	13,352.02	1,539.13	14,891.15	182,801,035.46	26,490,043.34	209,291,078.80

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COMPARATIVE STATEMENT OF STREET WATERING.

		Totals. Gallons of Water Used.			Mileage of Streets Watered.			Area of Streets Watered		
Year	Days Wat'd	Fresh	Salt	Total	Fresh	Salt	Total	Sq. yds. Fresh	Sq. yds. Salt	Sq. yds. Total
1907	1973–2	29,622,914	2,245,075	31,867,989	14,918.61	1,812.24	16,730.85	202,983,848.35	30,867,466.84	233,851,315.19
1908	1977–2	30,353,738	1,861,038	32,214,776	15,007.45	1,768.34	16,775.79	204,414,971.15	30,205,186.88	234,620,158.03
1909	1771–3	26,931,452	1,661,662	28,593,114	13,352.02	1,539.13	14,891.15	182,801,035.46	26,490,043.34	209,291,078.80

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Applying Dustoline.

For the past three seasons we have applied dustoline to the roadbeds of certain streets with excellent results. We have used during this past season, three tank cars containing in all 24,376 gallons of this material.

Dustoline gives the best of satisfaction because it keeps the dust laid continually, while the effect of fresh water upon the roadbeds is only temporary.

Salt Sea Water is an excellent dust layer and can be more economically applied than dustoline, because we have an abundant supply of Salt Sea Water constantly at our disposal, which would cost us nothing, with the exception of installing pumping stations, pipe lines, etc.

The life of dustoline depends entirely upon weather conditions; dry weather, longer; wet weather, less. On an average it will keep the dust laid for a period of six weeks.

The cost of applying dustoline last season to a 20 foot roadbed was $159.87 per mile for the season, which is $65.96 less than last year. The difference in cost is readily accounted for, by the fact, that the roadbeds treated in previous years, do not need so heavy application of the material.

The total cost of dustlaying this year is as follows: viz:

Watering, $10.077.23; applying dustoline, $1,912.84; applying glutrin, $92.37; applying Texas oil, $0.87, making a total cost of $12,083.33.

Two hundred ($200.00) dollars was donated this year toward the expense of applying dustoline.

Messrs. H. D. Auchincloss, E. D. Morgan, H. O. Havermeyer Jr, and Sidney Webster furnished dustoline this year, at their own expense, which was applied to the roadbeds in front of their estates by this department.

The following is full and complete statistics in relation to the applying of dustoline, which has been carefully prepared by this office, viz:

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FIRST CAR OF DUSTOLINE.

First Application, June 2, 1909.

Street or Avenue.	Sq. Yds.	Average Gal. per Sq. Yard	Gals. Used	Cost per Gal Applied	Total Cost
Broadway, west half, from Malbone road to Whitehall St.	550	.1114	61	.0784	$4 78
Broadway, full width, from Whitehall St. to a point half way between Vernon Ave. and Mile Corner	10,167	.1114	1133	.0784	88 87
Third St., Bridge St. to Training Station road	10,389	.1114	1157	.0784	90 75
Average cost per square yard, .0087.	21,106		2351		$184 40

FIRST CAR OF DUSTOLINE.

First Application, June 4, 1909.

Street or Avenue.	Sq. Yds.	Average Gal. per Sq. Yard	Gals. Used	Cost per Gal Applied	Total Cost
Bridge St.	2,629	.1114	293	.0784	$23 01
Elm St., Fourth St., to Second St.	1,080	.1114	121	.0784	9 53
Bellevue Ave., Touro St. to Bath road	9,664	.1114	1077	.0784	84 48
Bath road, Bellevue Ave. to Cliff Ave.	5,506	.1114	614	.0784	48 18
Bath road, from the Pavilion west	5,588	.1114	623	.0784	48 79
East Bowery St., Bellevue Ave. to Middleton Ave	3,522	.1114	393	.0784	30 85
Dresser St., from Annandale road east	1,026	.1114	114	.0784	8 97
Old Beach road, Bellevue Ave. to Rhode Island Ave.	5,072	.1114	565	.0784	44 34
Average cost per square yard, .0087.	34,087		3,800		$298 15

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FIRST CAR OF DUSTOLINE.

First Application, June 7, 1909.

Street or Avenue.	Sq. Yds.	Average Gal. per Sq. Yard	Gals. Used	Cost per Gal Applied	Total Cost
Old Beach road, Rhode Island Ave. to Gibbs Ave.	2,255	.1114	251	.0784	$19 69
Dresser St. from Cliff Ave. west	1,026	.1114	114	.0784	9 94
Red Cross Ave., Old Beach road south (500 feet)	2,000	.1114	223	.0784	17 50
Broadway, Bliss road to Newport Ave.	2,750	.1114	307	.0784	24 08
Elm St., Cross St. to Fourth St.	760	.1114	85	.0784	6 67
Elm St., Second St. to Washington St.	600	.1114	67	.0784	5 26
Gould St	1,927	.1114	215	.0784	16 87
Congdon Ave.	1,365	.1114	152	.0784	11 92
Tilley Avenue	1,572	.1114	175	.0784	13 73
	14,255		1,589		$124 66

Average cost per square yard, .0087.

FIRST CAR OF DUSTOLINE.

First Application, June 8, 1909.

Street or Avenue.	Sq. Yds.	Average Gal. per Sq. Yard	Gals. Used	Cost per Gal Applied	Total Cost
Broadway, east half, from Bliss road to Whitehall St.	956	.1114	107	.0784	$8 47

Average cost per square yard, .0088.

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FIRST CAR OF DUSTOLINE.
First Application, June 16, 1909.

Street or Avenue.	Sq. Yds.	Average Gal. per Sq. Yard	Gals. Used	Cost per Gal Applied	Total Cost
Bellevue Ave., Bath road to Bowery St.	3,333	.1114	371	.0784	$29 17

Average cost per square yard, .0087.

FIRST CAR OF DUSTOLINE.
First Application, June 16, 1909.

Street or Avenue.	Sq. Yds.	Average Gal. per Sq. Yard	Gals. Used	Cost per Gal Applied	Total Cost
Bellevue Ave., Bowery St. to Bailey's Beach	33,147	.1096	3,636	.0784	$285 14

Average cost per square yard, .0086.

SECOND CAR OF DUSTOLINE.
First Application, June 17, 1909.

Street or Avenue.	Sq. Yds.	Average Gal. per Sq. Yard	Gals. Used	Cost per Gal Applied	Total Cost
Broadway, Powel Ave. to Equality Park place	6,533	.11	722	.0784	$56 65
Narragansett Ave., Bellevue Ave. to Spring street	3,556	.11	394	.0784	30 92
	10,089		1,116		$87 57

Average cost per square yard, .0086.

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SECOND CAR OF DUSTOLINE.

First Application, June 18 and 19, 1909.

Street or Avenue.	Sq. Yds.	Average Gal. per Sq. Yard	Gals. Used	Cost per Gal Applied	Total Cost
Northam Lane, Thames St. to Rousemainere Pl.	333	.0976	33	.0784	$2 59
Rousemainere Place	213	.0976	21	.0784	1 65
Whittier Ave., 100 ft., Thames Street, west	156	.0976	15	.0784	1 18
Dennis Ave., 100 ft., Thames Street, west	133	.0976	13	.0784	1 02
Wilcox Ct., 100 ft., Thames Street, west	111	.0976	11	.0784	86
Sherman Wharf, 100 ft., Thames Street, west	166	.0976	16	.0784	1 26
Swinburnes Wharf, 100 ft., Thames Street, west	156	.0976	15	.0784	1 18
Champlins Wharf, 100 ft., Thames Street, west	111	.0976	11	.0784	86
Bull's Wharf, 100 ft., Thames St. west	167	.0976	16	.0784	1 26
Lopez Wharf, 100 ft., Thames St. west	178	.0976	17	.0784	1 33
Government Wharf, 100 ft., Thames St. west	178	.0976	17	.0784	1 33
Peckham's Wharf, 100 ft., Thames St. west	211	.0976	21	.0784	1 65
Market Square, Newman's Wharf and Ferry Wharf	600	.0976	59	.0784	4 63
Bowen's Wharf, 100 ft., Thames St., west	211	.0976	21	.0784	1 65
Kinsley's Wharf	1,057	.0976	103	.0784	8 08
Sayer's Wharf	1,625	.0976	159	.0784	12 47
Scott's Wharf, 100 ft., Thames St. west	200	.0976	20	.0784	1 57

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SECOND CAR OF DUSTOLINE.
First Application, June 18 and 19, 1909.

Street or Avenue	Sq. Yds.	Average Gal. per Sq. Yard	Gals. Used	Cost per Gal Applied	Total Cost
Commercial Wharf, north and south and between	6,725	.0976	656	.0784	$51 44
Langley's Wharf, 100 ft., Thames St. west	355	.0976	35	.0784	2 75
Hammett's Wharf, 100 ft., Thames St. west	311	.0976	30	.0784	2 35
Perry Mill Wharf, 100 ft., Thames St., west	366	.0976	36	.0784	2 82
Bailey Court, 100 ft., Thames St. west	189	.0976	19	.0784	1 49
Cottrell's Wharf, 100 ft., Thames St. west	189	.0976	19	.0784	1 49
Taylor Court, 100 ft., Thames St. west	255	.0976	25	.0784	1 96
Brown & Howard's Wharf, 100 ft., Thames St., west	278	.0976	27	.0784	2 12
Lee's Wharf, 100 ft., Thames St., west	278	.0976	27	.0784	2 12
West Howard St., 200 ft., Thames St., west	467	.0976	46	.0784	3 61
Spring Wharf, 200 ft., Thames St., west	622	.0976	61	.0784	4 78
Extension St., Thames St., west, 200 ft.	578	.0976	56	.0784	4 39
Waites Wharf, 200 ft., Thames St., west	489	.0976	48	.0784	3 77
Coddington Wharf, 200 ft., Thames St., west	355	.0976	35	.0784	2 75
Goodwin St., 200 ft., Thames St., west	466	.0976	45	.0784	3 53
Harrington St., 200 ft., Thames St., west	533	.0976	52	.0784	4 08

SECOND CAR OF DUSTOLINE.
First Application, June 18 and 19, 1909.

Street or Avenue	Sq. Yds.	Average Gal. per Sq. Yard	Gals. Used	Cost per Gal Applied	Total Cost
Morton Ave.	4,225	.0976	412	.0784	$32 30
Cotton Court	360	.0976	35	.0784	2 75
Average cost per square yard, .0076.	22,847		2,232		$175 07

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SECOND CAR OF DUSTOLINE.

Second Application, June 19, 1909.

Street or Avenue	Sq. Yds.	Average Gal. per Sq. Yard	Gals. Used	Cost per Gal Applied	Total Cost
Bellevue Ave., Kay St. to Wheatland Ave.	25,034	.0238	597	.0784	$46 85
Broadway, One Mile Corner to Bliss road	15,000	.0238	357	.0784	28 00
Bath road, Bellevue Ave. to Annandale road	6,500	.0238	155	.0784	12 18
	46,534		1,109		$87 03

Average cost per square yard, .0018.

THIRD CAR OF DUSTOLINE.

Third Application, August 4, 1909.

Street or Avenue	Sq. Yds.	Average Gal. per Sq. Yard	Gals. Used	Cost per Gal Applied	Total Cost
Bellevue Ave., Kay St. to Bailey Beach	40,163	.0498	2,000	.0784	$156 88

Average cost per square yard, .0039.

THIRD CAR OF DUSTOLINE.

Second Application, August 7, 1909.

Street or Avenue	Sq. Yds.	Average Gal. per Sq. Yard	Gals. Used	Cost per Gal Applied	Total Cost
Third St., Cypress St. to Bridge St.	5,789	.0863	500	.0784	$39 28

Average cost per square yard, .0067.

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THIRD CAR OF DUSTOLINE.

Second Application, August 7, 1909.

Street or Avenue	Sq. Yds.	Average Gal. per Sq. Yard	Gals. Used	Cost per Gal Applied	Total Cost
Bridge Street	2,629	.0986	259	.0784	$20 35
Elm Street	2,440	.0986	241	.0784	18 93
Average cost per square yard, .0077.	5,069	.0986	500		$39 28

THIRD CAR OF DUSTOLINE.

Third Application, August 7, 1909.

Street or Avenue	Sq. Yds.	Average Gal. per Sq. Yard	Gals. Used	Cost per Gal Applied	Total Cost
Bath road, Bellevue Ave. to Cliff Ave.	8,267	.0604	500	.0784	$39 28

Average cost per square yard, .0047.

THIRD CAR OF DUSTOLINE.

Third Application, August 9, 1909.

Street or Avenue.	Sq. Yds.	Average Gal. per Sq. Yard	Gals. Used	Cost per Gal Applied	Total Cost
Broadway, Equality Park Place to One Mile Corner	23,945	.0835	2,000	.0784	$156 88

Average cost per square yard, .0065.

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THIRD CAR OF DUSTOLINE.
Second Application, August 9, 1909.

Street or Avenue.	Sq. Yds.	Average Gal. per Sq. Yard	Gals. Used	Cost per Gal Applied	Total Cost
Gould St.	1,927	.1027	198	.0784	$15 56
Tilley Ave.	1,572	.1027	162	.0784	12 72
Congdon Ave.	1,365	.1027	140	.0784	11 00
	4,864		500		$39 28

Average cost per square yard, .0080.

THIRD CAR OF DUSTOLINE.
First Application, August 10, 1909.

Street or Avenue.	Sq. Yds.	Average Gal. per Sq. Yard	Gals. Used	Cost per Gal Applied	Total Cost
Rhode Island Ave., Broadway to Kay St.	3,360	.1488	500	.0784	$39 28

Average cost per square yard, .0116.

THIRD CAR OF DUSTOLINE.
Second Application, August 24, 1909.

Street or Avenue.	Sq. Yds.	Average Gal. per Sq. Yard	Gals. Used	Cost per Gal Applied	Total Cost
Third St., Cypress St. to Training Station road	4,600	.0434	200	.0784	$15 76

Average cost per square yard, .0034.

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THIRD CAR OF DUSTOLINE.

Fourth Application, August 25, 1909.

Street or Avenue.	Sq. Yds.	Average Gal. per Sq. Yard	Gals. Used	Cost per Gal Applied	Total Cost
Bellevue Ave. (one-fourth of width of roadbed) Kay St. to Wheatland Ave.	6,258	.0423	265	.0784	$20 86

Average cost per square yard, .0033.

THIRD CAR OF DUSTOLINE.

Fourth Application, October 6, 1909.

Street or Avenue.	Sq. Yds.	Average Gal. per Sq. Yard	Gals. Used	Cost per Gal Applied	Total Cost
Broadway, Equality Park Place to Bedlow Ave.	18,945	.0184	350	.0784	$27 52

Average cost per square yard, .0014.

THIRD CAR OF DUSTOLINE.

Fifth Application, October 6, 1909.

Street or Avenue.	Sq. Yds.	Average Gal. per Sq. Yard	Gals. Used	Cost per Gal Applied	Total Cost
Bellevue Ave., Kay St., to Narragansett Ave.	14,376	.0521	750	.0784	$58 88

Average cost per square yard, .0040.

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Applying Glutrin.

The Robeson Process Company of New York being anxious for this city to try their dustlaying material called Glutrin, sent their representative, Mr. Rufus H. King to Newport, and authorized him to make a proposition to this department, to the effect, that they would furnish the City of Newport with sufficient glutrin (28 barrels) to treat one-half mile of 16 ft. roadbed, equal to 4,582 sq. yds. of surface, for the sum of seventy-five ($75.00) dollars, the material to be delivered F. O. B. Newport, providing, however, that the City would apply the glutrin as an experiment; they also agreed to send their representative to superintend the work; this price that they submitted being about one-half of the regular price of the material.

They said they made this low price in the nature of an experiment, and to introduce their product.

I placed the matter before the Board of Aldermen and they authorized me to accept the proposition.

On May 13th we applied the material (which is diluted with 50% water) to the roadbeds of the following streets, under the direction of their representative, Mr. Rufus H. King:

	Sq. Yds.	Cost.
Marlborough Street	1908.66	$30.54
West Marlborough Street	1905	30.50
Broadway, from mile corner-west for a distance of 400 feet	1955.55	31.33
Total	5769.76	$92.37

Making an average cost of .016 per sq. yd.

One barrel of the glutrin leaked out in transportation, the cost of which was deducted from the bill, making the net cost of the material to the city, $72.32, cost of applying $20.05, total cost $92.37

We gave the material a good fair trial, but the result was far from satisfactory from a dustlaying standpoint, the roadbeds very soon became dusty and we were obliged to commence watering them on May 26th, just 13 days after the material was applied.

On July 24th, the Robeson Process Company sent to the department, free gratis, 18 barrels of what they claimed to be a better grade of Glutrin, to experiment with as a roadbinder. We have used 11 barrels of this material on Lucas Avenue and Sunshine Court, and up to the present time it has given fair satisfaction.

Texas Oil.

The Texas Oil Company of Providence, R. I., on June 11th shipped to this department, free gratis, four barrels of Texas Road Oil, with the request that we give the material a trial as a dustlayer.

We applied the Texas Road Oil to part of the roadbed of Carroll

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avenue between Thames street and Harrison avenue, 203 gallons of the oil was used in the application and we commenced to water this piece of roadbed on July 13th, just 21 days after the material was applied. This Texas Road Oil does not give very good satisfaction because the life of the material is too short, and furthermore it has a very strong disagreeable odor.

Quarry and Crusher.

The work of quarrying and crushing stone commenced on the 15th day of March and continued until the 16th day of October. The Weigher was continued at work until November 4th, when the plant was closed down for the winter.

The amount of stone quarried and crushed during the season is as follows, viz; ledge stone, 19 tons; crushed stone, 8,548 tons; making a total production of 8,567 tons.

The cost of quarrying and crushing stone this year was $1,121 per ton, which is $0.138 more per ton, than last year.

This increase in cost is accounted for, to a certain extent, by the half-holiday, which was granted to the employes of this department, which amounted to $624.21, and also the extra cost of uncovering the ledge preparing for quarrying, which amounted to about $300.00 deducting these extra expenses from the total cost of the production and it would reduce the cost to about $1.013 per ton. A new smoke stack was placed at the Crusher on July 1st, at a cost of $71.62, which was paid from the emergency fund.

Steam Road Rollers.

The re-macadamizing and re-surfacing of streets commenced on the 30th day of March and continued until the 4th day of November, when the work was shut down because the appropriation for this purpose was all expended.

Steam Roller No. 3 was retired on the 19th day of October and Steam Rollers Nos. 1 and 2 were retired on November 4th.

The two steam road rollers purchased in 1903 and 1905 will need new road rollers, which will have to be furnished by the Buffalo Steam Roller Company in accordance with their contract agreement, whereby they agree to furnish new road rollers if they show 80% of wear in seven years.

The roller purchasd in 1905 will also need new steering wheels.

The steam road roller which was purchased in 1900 will need road rollers, steering wheels and a general overhauling. This will necessitate quite a large expenditure, and then you would have an old machine. I think it would be wise to purchase a new up-to-date steam roller and exchange the old roller in part payment of same.

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Tarvia X-5 & X 7.

This material formerly called Tarvia "A" has again been applied this year because of the excellent results that was derived from its use last season. This tarvia is heated before applying and is used in this instance, for the quarters of roadbeds to keep the same in place and prevent washouts during heavy rain falls.

The total cost of applying the material this year was $701.36, and we covered an area of 2,986.4 square yards, at an average cost of .235 per square yard.

The following is a list of streets, the quarters of the roadbeds of which were treated with tarvia X-5 & X-7, viz:

	Length.	Width.	Sq. Yds.	Cost.
Ann Street	918 ft.	x2 ft.	204.0	$ 47.90
Bowery Street	1,336 ft.	x 2 ft.	296.8	69.68
Denniston Street	982 ft.	x 2 ft.	218.2	51.22
Fair Street	910 ft.	x 2 ft	202.2	47.47
John Street	2,630 ft.	x 2 ft.	584.4	137.28
Pelham Street	3,300 ft.	x 2 ft.	733.3	172.23
Prospect Hill Street	3,364 ft.	x 2 ft.	747.5	174.58
Total	13,440 ft.	x 2 ft.	2,986.0	$701.36
Kinsley's Wharf	479 ft	x 2 ft.	106.4	$14.19

Bull Street Tarvia.

Bull Street was resurfaced again this year with tarvia X-7 at an expense of $121.31, or an average cost of .056 per square yard.

Tarvia "B".

Tarvia "B" was again used this year very successfully. This material is applied cold and with the ordinary watering cart. The roadbed is first swept clean, the material is then applied and covered with a light coat of coarse sand. Tarvia "B" has proved itself to be an excellent dustlayer and a preserver of macadam roadbeds, and I recommend a continuance of its use, especially upon our steep grade streets, because it is not slippery like tarvia X-5 or X-7.

The total cost of applying the material this year was $310.13 and about 9,370.5 square yards of surface was covered, at an average cost of .033 per square yard.

The following is a complete list of streets which were treated with tarvia "B", this year, viz:

	Length.	Width.	Sq. Yds.	Cost.
Ayrault St. (Broadway to Kay)	1,180 ft.	x 22 ft.	2,884.4	$95.47
Carey Street	857 ft.	x 20 ft	1,904.4	63.03
Mann Avenue	1,026 ft.	x 21 ft.	2,394.0	79.24
Webster St. (Thames to Spring)	895 ft.	x 22 ft.	2,187.7	7239
Total	3,958		9,370.5	$310.13

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Tarvia-Macadam.

Owing to the success we have realized this year from the building of the Tarvia-Macadam roadbed of Coggeshall avenue, I would recommend that we abolish the building of any more macadam roadbeds unless Tarvia, or its equal, be used in the construction of same.

My reason for advocating the Tarvia-Macadam roadbed, is, because it has been clearly demonstrated by the short life of our roads, that we must provide a roadbed with a surface of sufficient hard and elastic finish to resist the effect of speeding automobiles, the traffic of which are so damaging to our macadam roadbeds, that the increasing cost of maintenance is quite a serious question.

Tarvia-Macadam roadbeds can be built at about the same cost as plain macadam, and its wearing qualities is far superior, furthermore, when in need of repairs, the cost would be much less expensive.

Automobiles.

Relative to this subject, I would call your attention to the fact, that the State of Rhode Island enforces and collects a tax upon all automobiles which are operated over the streets and highways of said state, including of course, the City of Newport, but no part of this revenue is paid to the city of Newport to reimburse said city for the serious damage which is continually being done to the macadam roadbeds by the automobiles.

In my opinion, the State of Rhode Island should return a certain percentage of the revenue so collected from the automobiles which are taxed in this city, and the said revenue to be deposited with the City Treasurer to the credit of the street and highway department toward the maintenance of our roadbeds.

I would also recommend that a toll tax be enforced upon all automobiles which enter our city from outside the state.

Toll stations to be located at the mile corner and other parts of the city where outside automobiles enter.

This revenue to also be deposited with the City Treasurer to the credit of the Street and Highway Department.

Streets Re-Macadamized.

The following streets have been re-macadamized this year and full statistics of same will be found in another part of this report; Bath Road; Bellevue Avenue, from Coggeshall Avenue to Ledge Road; Cottage Street; DeBlois Street; Division Street; Extension Street; Kinsley's Wharf; Lee Avenue; Lucas Avenue; Ruggles Avenue, from Drexel Estate to Wetmore Avenue; and Wesley Street; Warner Street, from Pond Avenue to Dartmouth Street.

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Streets Re-Surfaced and Rolled.

The following streets have been re-surfaced and rolled and full statistics of same will be found in another part of this report; Bellevue Avenue, from Ledge Road—east to Turn; Bellevue Avenue, from Mill Street—south; Broadway; Coddington Street; Dixon Street; Hammond Street; School Street, from Touro to Mary Street; Washington Street, from Marsh Street—south and West Narragansett Avenue, from Thames to Marchant Street.

Bailey's Beach Watering Station.

At a meeting of the Board of Aldermen, held December 30th, 1908 I was instructed by vote of this Honorable Body, to remove the Wind Mill, etc., from Bailey's Beach and collect the sum of $25.00 from the Spouting Rock Beach Association toward the expense thereof; which amount has been paid by said association and deposited with the City Treasurer to the credit of the appropriation.

The wind mill, etc., was removed and is now stored at the City Yard. The cost of removal was $50.83; deduction of the amount of $25.00 which was donated by the Spouting Rock Beach Association, leaves the net cost to the city $25.83.

We are sadly in need of a Salt Water Station in the vicinity of Bailey's Beach. The nearby roadbeds have suffered severely during the past two seasons from the non-use of salt water.

I earnestly hope that some provision will be made to locate a pumping station at some nearby point, and have the same in operation for next seasons watering.

Repairs to Broadway and Spring Street Bitulithic Pavement.

On April 27th, your Honorable Body wisely made an appropriation of $8,000.00 for the repairs of the Bitulithic Pavement of Broadway and Spring Street. Although I had estimates from Warren Brothers Company of Boston, Mass., and The Whitehouse Pavement Company of Providence, R. I., both quoting the same price of fifty cents per square yard for the resurfacing of these pavements, I was very sure and confident that this department had employees fully capable and competent to perform this kind of work, and also at a much lower cost. The following detail report will emphasize the fact that I was not mistaken in my judgment.

The average cost per square yard was 15 cents, which is 35 cents less than the price quoted by the above mentioned contractors.

Appropriation, $8,000.00; expenditure $2,910.17, making a saving of $5,089.83.

Of the above cost the two Railway companies re-imbursed the city as follows, viz: Newport & Providence Railway Company, $187.03; Old Colony Street Railway Company, $229.87; a total of

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$416.90 which deducted from the total cost, leaves the actual cost to the city, only $2,483.27.

I respectfully submit the following report:

Receipts.

Appropriation	$8,000.00
Received of Old Colony Street Railway Company	229.87
Received of Newport & Providence Railway Company	187.03
	$8,416.90

Disbursements.

By paid for labor	$1,145.71
By paid for materials	$1,764.46
By balance unexpended	5,506.73
	$8,416.90

The following is a detailed report of the expenditures:

Labor, as per pay-rolls			$1,141.76
156½ bbls. Tarvia at $4.00	$626.00		
20 bbls. Tarvia at $4.25	85.00		
Freight on same	123.73		
		$834.73	
Less credit as follows:			
Empty bbls. returned at 65c.	$114.68		
Less freight on same	22.50		
		$92.18	
Net cost of Tarvia			742.55
317-860 tons Trap rock			634.86
12-1590 tons Crushed Stone			13.55
30 days Use of Steam Road Roller			150.00
5¾ days Permanent Teamsters (stable acc.)			12.19
Fuel			54.15
One Tar Kettle		$130.00	
Freight on same		3.00	
Total cost of Tar Kettle			133.00
Shop tools, brooms, kerosene, and other incidentals			28.11
			$2,910.17

Cost Statement of area of both pavements, as per measurements of the City Engineer:

Broadway, 7541 1-3 sq. yds. at 16 7-10	$1,260.98
Spring Street, 12023 sq. yds. at 13 7-10	1,649.19
	$2,910.17

DETAIL EXPENDITURE OF BROADWAY AND SPRING STREET BITULITHIC PAVEMENT REPAIRS.

1	William B. Scott & Co., Stable Brooms, etc.	$1.57
2	G. H. Bloom, iron, etc.	2.05
3	Charles H. Goddard, iron	.80
4	Newport Gas Light Co., coke	.90
5	N. Y., N. H. & H. R. R. Co., freight	47.72

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6	J Stacy Brown, stone	.76
7	Perrin, Seaman & Co., tar kettle	130.00
8	N. Y., N. H. & H. R. R. Co., freight	3.00
9	J. D. Johnston, lumber	1.84
10	William B. Scott & Co., stable brooms	1.50
11	C. F. D. Fayerweather, rep. tar kettle	2.00
12	E. S. Peckham, fuel	18.52
13	Newport Foundry & Machine Corp., making nipple	.35
14	G. H. Bloom, sharpening tools	.50
15	J. J. Connell, kerosene	7.50
16	George A. Weaver Co., extinguishers	7.00
17	Wm. B. Scott & Co., stable brooms	3.00
18	E. S. Peckham, fuel	34.73
19	Tarvia, Use of Steam Roller, etc.	1481.97
20	Tarvia	22.70
—	Pay Rolls	1141.76
		$2910.17

GIBBS AVENUE, BLISS ROAD, KAY STREET SEWERAGE SYSTEM.

I would respectfully call the attention of your Honorable Body, to the necessary sewerage facilities which is sadly needed in that section of the city, bounded as follows, viz.: All of that territory east of irregular line drawn from a point midway between Channing and Gibbs Avenue and Bath Road; thence to the corner of Powel Avenue and Kay Street; thence to the corner of Bliss Road and Whitehall Street; thence to the head of Almy Court to the City Line.

For over six years this matter at various times has been brought to the attention of the City Council. Recommendations, plans, and estimates have been submitted for both the Pumping Station and Tunnel systems, but as yet no permanent action has been taken to relieve the existing unsanitary and unhealthful conditions of this section of our city, owing no doubt to the expensive outlay that would be necessary if either of the above systems were adopted.

As an economical way out of the difficulty, I would suggest that a large reservoir of 30,000 gallons capacity be built at the corner of Gibbs Avenue and Eustis Avenue to receive the sewerage from pipe laterals to be built from time to time. The purchase of a team of horses, a Tank Wagon of 600 gallons capacity, equipped with a gasoline engine and pump.

The sewerage to be pumped out daily from this reservoir and carted to the Settling Tank located on Briggs Wharf; at least four loads would be carted each day, making a total of 2,400 gallons of sewerage which would be removed daily, and I am quite certain that this would be sufficient to relieve the capacity of the reservoir.

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EASTON'S BEACH.

During the summer and early fall, a man is constantly employed clearing up the roadway, mowing the grass plot, etc., at Easton's Beach. The iron fence has been thoroughly scraped and repainted. The total expenditure this year being $336.08.

FORTY STEPS.

Painting and minor repairs were made to the Forty Steps this year, at an expense of $32.20.

VAN ZANDT AVENUE PIER.

The Pier at the end of Van Zandt Avenue is in a dangerous condition and will need extensive repairs early next season to make it safe for the public.

This department has temporarily repaired and made the pier safe for the present. Cannot say how long it will remain secure, as this pier is subject to severe strain during stormy weather.

ANN STREET PIER.

Besides a few repairs to the pier, a new granolithic walk has been laid from Thames Street to the pier, at an expense of $153.60. I would recommend that the necessary repairs be made to this pier early next spring.

ELM STREET PIER.

A few repairs were made to Elm Street Pier this year, at an expense of $1.25.

WILLOW STREET BROW.

The planking at Willow Street Brow was renewed this past season, at an expense of $29.89.

VAN ZANDT AVENUE BRIDGE.

The planking of this bridge has been repaired from time to time during the past few years, until it has now reached that condition where patching is non-sufficient. I therefore recommend that Van Zandt Avenue Bridge be replanked as soon as possible to make it safe for public travel.

REMOVAL AND TRIMMING OF TREES.

Directed by vote of the Board of Aldermen, this department caused the tree at the corner of Mary Street and Birkhead Place, cut down and removed, at an expense of $35.00.

Trees on Marchant and Park Streets, Greenough Place, and East Bowery Street, blown down by heavy wind storms, were re-

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moved by the employees of this department, the total cost this year for this work was $84.62.

SPRAYING TREES.

Co-operating with the State Board of Agriculture, this department assisted in the spraying of the trees to exterminate the Gipsy moth and Elm beetle. The State Board furnished all the material, apparatus, and the superintendent of this department, two men, horse and cart. The Park Commission reimbursed this department to the amount of $55.13, which was the cost of spraying the trees in the parks. One-half of the sum collected from private parties by Supt. E. R. Anthony, amounting to $19.22, was paid to this department, the balance was paid into the State Treasury.

Total expense, $118.13; deducting the amounts received from the Park Commission and private parties, leaves the net cost to this department of $43.78.

The extermination of this annual pest is beginning to be a very serious question, and I would recommend that an appropriation be made next year of $200.00 for this purpose.

EASTON'S BEACH BRIDGE.

I again recommend that a substantial bridge be built to replace the present dangerous affair.

I understand that your special committee of the council had plans and estimates prepared for the erection of a concrete bridge at this point, but the committee could not make any satisfactory arrangements with the Town of Middletown.

WATER WORKS ROAD BRIDGE.

Owing to the heavy traffic this bridge receives, more or less repairs are necessary every year. $34.69 was spent this year for repairs to this bridge.

GOOSENECK BRIDGE, OCEAN AVENUE.

The rip-rap wall of this bridge was repaired this season, at an expense of $47.10.

LONG WHARF WALL.

The wharf wall of Long Wharf was repaired last spring, at an expense of $109.24.

BRIGGS WHARF WALL.

A few necessary repairs was made to the wharf wall of Briggs Wharf at an expense of $5.59.

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WALNUT STREET SEA WALL.

Repairs were made during the past season to this sea wall, at an expenditure of $55.04.

FORT GREENE SEA WALL.

The Sea Wall at Fort Greene has been repointed, at an expense of $155.75, which amount was reimbursed to the department by the Park Commission.

OCEAN AVENUE SEA WALL.

The building of this sea wall was commenced so late last year that we were unable to complete the work and the balance of the appropriation amounting to $475.39 was re-appropriated this year.

We found that this amount was hardly sufficient to complete the work, and we were therefore obliged to draw on the emergency fund to the amount of $21.91, making the total cost 497.30.

It was also found necessary to make a proper footing for this sea wall to protect it from the heavy surf, which is very destructive at this point. The expenditure was $190.09, which was paid from the emergency fund.

I would call your attention to the fact, that a low wall will have to be built from a point at Graves Point Club House to Outlet of the Golf Club Grounds. We were obliged to make repairs at this point several times during the past season, where the sea had washed the roadway during stormy weather.

NEW WORK.

COGGESHALL AVENUE—TARVIA-MACADAM.

When the estimate of $5,000.00 was submitted for the macadamizing of Coggeshall Avenue, only about one-half of the total length of the avenue from Ruggles Avenue-south was considered, but having realized very favorable results last season from applying a binding material called tarvia to the quarters of roadbeds of several streets it came to my mind, that this would be an excellent opportunity to try the true worth of this material in the building of macadamize roadbeds. Upon my invitation, Mr. A. B. Cowdery, a representative of the Barrett Manufacturing Company of Boston, Mass., came to Newport, and together we went over the Coggeshall Avenue proposition.

Mr. Cowdery is an expert authority upon the building of Tarvia-Macadam roadbeds and he gave me many valuable suggestions relative to this kind of roadbuilding.

After carefully estimating the proposition he was confident that not only part of, but that all of the roadbed of Coggeshall Avenue

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from Ruggles Avenue-south, could be completed with the tarvia process within the appropriation of $5,000.00.

After provident meditation of Mr. Cowdery's recommendations, which he presented to me in such a feasible and convincing manner, and also taking into consideration the fact that the whole length of the avenue could be completed within the appropriation, which surely would be for the best interests of the city, I decided to lay a tarvia-macadam roadbed on Coggeshall Avenue instead of the plain macadam, which was first determined.

It gives me pleasure to say, that with the efficient labor of the employees of the department, we not only completed the whole of the roadbed, but we paid for the turnpiking and grading, amounting to $313.13 and purchase of one tar kettle costing $132.96, within the amount of the appropriation, leaving a balance of $9.12.

One Catch-basin and four eye-holes were built and paid from the regular appropriation (g), at an expense of $139.23.

A sidewalk with grass border was built for the whole length on the west side of the avenue, and paid for from the regular appropriation (f), at an expense of $455.70.

Mr. Pembroke Jones gave a portion of land to straighten the roadway in front of his estate.

The following is a detailed account of the disbursements, viz.:

Receipts.

To Appropriation	$5,000.00

Disbursements.

By paid for labor	$1,514.98
By paid for materials	3,475.90
By balance unexpended	9.12
	$5,000.00

Detail of Expenditures.

Labor, as per pay-rolls:		
Turnpiking and grading	$313.13	
Labor laying tarvia-macadam	892.35	
		$1,205.48
1692-1390 tons Crushed stone	$2,007.58	
40- 960 tons Trap Rock	58.28	
Paid ctg. of Cr. Stone and Trap Rock	694.89	
		2,760.75
59½ days Use Steam Rollers		188.22
153½ bbls. Tarvia X-5 and X-7		627.87
One tar kettle on wheels	$130.00	
Freight on tar kettle	2.96	
		132.96
Fuel		27.78
6⅜ days Teamsters, Stable acc.		13.45
Pails, dippers, kerosene and other incidentals		34.37
		$4,990.88

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Total area of Tarvia-Macadam at .429 (10,886 sq yds.)	4,677.75
Total area of Turnpiking at .029 (10,886 sq. yds.)	313.13
	$4,990.88

PRAIRIE AVENUE MACADAM.

CATHERINE TO CHAMPLIN STREET.

This work, which was commenced in July, was postponed until the month of September, owing to the illness of one of the nearby summer residents. The turnpiking and grading of this piece of roadway was found to be very expensive, and we were unable to complete the work without exceeding the appropriation; therefore, only part of the roadway was completed for a distance of 300 feet. Appropriation, $650.00; expenditure, $624.41; leaving a balance of $7.59.

I would recommend that an appropriation of $700.00 be made next year to complete this work.

PETZKA COURT MACADAM.

Petzka Court was macadamized at a much reduced cost than was anticipated. Appropriation, $500.00; expenditure, $151.02; leaving a balance of $348.98.

MEIKLE AVENUE MACADAM.

Meikle Avenue for a distance of 300 feet from Norton Avenue-south was macadamized. Appropriation, $500.00; expenditure, $321.56; leaving a balance of $178.44.

LA SALLE PLACE MACADAM.

La Salle Place was turnpiked, graded and macadamized. Appropriation, $400.00; expenditure, $277.52; leaving a balance of $122.32.

SUNSHINE COURT MACADAM.

Sunshine Court was turnpiked, graded and macadamized. Appropriation, $400.00; expenditure, $180.52; leaving a balance of $219.48.

RECORD STREET MACADAM.

Record Street was turnpiked, graded and macadamized. Appropriation, $400.00; expenditure, $356.53; leaving a balance of $43.77.

EXTENSION STREET IMPROVEMENT.

That part of Extension Street that was extended to Spring Street last year, has received a curb on the south side and flag and gutter on the north side, to conform with the other part of the street.

Having the curb, flagstone and culls in stock, we were able to finish the work within the appropriation. Appropriation, $500.00; expenditure, $468.69; leaving a balance of $31.31.

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HEATH STREET MACADAM.

Heath Street was turnpiked, graded and macadamized. Appropriation, $500.00; expenditure, $466.62; leaving a balance of $33.38.

ROBINSON STREET MACADAM.

Robinson Street was turnpiked, graded and macadamized. Appropriation, $500.00; expenditure, $491.12; leaving a balance of $8.88.

RUSSELL AVENUE MACADAM.

Russell Avenue was turnpiked, graded and macadamized. Appropriation, $1,000.00; expenditure, $954.34; leaving a balance of $45.66.

RHODE ISLAND AVENUE MACADAM.
BATH ROAD-NORTH.

Rhode Island Avenue from Bath Road-north, for a distance of 945 feet has been macadamized. It was found necessary to draw on the emergency fund to the amount of $146.16 to complete this piece of work and leave the roadbed in proper condition. Appropriation, $[illegible], expenditure, $821.16.

THIRD STREET CINDER WALK.

In accordance with the resolution of your Honorable Body, passed on November [illegible], this department has laid a cinder walk with a grass border, on the west side of Third Street from Cypress Street north for a distance of 2,563 feet. Appropriation, $40[illegible].00; expenditure, $[illegible]; balance unexpended, $64.26.

The Paving Stone used was furnished free, double loads of [illegible] being used in laying this walk, which was quite a saving to the city.

STATEMENT OF STONE QUARRIED AND CRUSHED DURING THE YEAR [illegible]09.

	Ledge Tons.	Crushed Tons.
Repairing sewers	2	
[illegible] streets and macadamizing streets		702
[illegible] sidewalks		10
[illegible]		928
Ocean Avenue		157
[illegible] Avenue		12
[illegible] Street		58
[illegible] Road		14
[illegible] Street		3
[illegible] Avenue		170
[illegible] Street [illegible]		10
[illegible]		5
[illegible] Avenue [illegible]	1	32

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Wheatland Avenue sidewalk		8
Harrison Avenue		58
Bath Road		403
School Street		49
West Narragansett Avenue		59
Quarters of roadbeds		48
Coddington Street		50
Hammond Street		19
Dixon Street		35
Washington Street		93
Ruggles Avenue		389
Lucas Avenue		121
Wesley Street		113
Lee Avenue		341
Division Street		182
Extension Street		95
Kinsley's Wharf		76
Cottage Street		93
DeBlois Street		142
Warner Street		318
Birkhead Driveway		1
Green Place Driveway		4
Walnut Street Sea Wall	6	
Long Wharf Wall	6	
Ocean Ave Wall, opposite Davis Est.	2	
City Stable repairs		1
Charge to abutters		1
Ocean Avenue, footing for sea wall		19
Extension Street Improvement	2	
Coggeshall Avenue, tarvia-macadam		1,693
La Salle Place		98
Petzka Court		55
Meikle Avenue		133
Sunshine Court		62
Record Street		104
Heath Street		166
Robinson Street		191
Rhode Island Avenue		374
Prairie Avenue		228
Russell Avenue		327
Broadway & Spring Street Pavement		12
Crusher, on hand December 18, 1909		606
City Yard, on hand December 18th, 1909		43
	19	8,717

City Yard, on hand December 19th, 1908		143
From Crusher during the year 1909	19	7,941
Purchased		27
On hand at Quarry, December 18, 1909		606
....	19	8,717

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STATEMENT OF TRAP ROCK.

	Tons.	lbs.
General repairs and patching streets	673	1450
Broadway	24	1790
Ocean Avenue	33	1580
Ridge Road	2	900
Harrison Avenue	6	1860
Touro Street	45	960
Bellevue Avenue	429	750
Quarters of roadbeds	51	490
Bull Street Tarvia	14	450
Bath Road	74	650
Warner Street	14	920
Snow and Ice	70	180
Coggeshall Avenue, tarvia-macadam	40	960
Russell Avenue	3	600
Broadway Bitulithic Pavement	137	1930
Spring Street Bitulithic Pavement	179	930
City Yard, on hand December 18th, 1909	230	700
Total amount purchased	2032	1100

Following will be found the usual tables giving in detail the account of operations and expenditures of the department during the year.

Respectfully submitted,
J. K. SULLIVAN, Street Commissioner.

SEWER PERMITS.

During the year 79 permits to connect with sewers were issued, making a total to date of 3,523 since the system was adopted in 1884.

The number and description of fixtures connected were as follows:

	Previously reported.	1909.	Total.
Water closets	3,393	101	3,494
Laundry tubs	1,643	76	1,719
Sinks	4,244	75	4,319
Bath tubs	1,611	61	1,672
Cellar drains	1,518	36	1,554
Bowls	355	51	406
Land drains	110	1	111
Roofs	714	43	757
Furnace pits	4	—	4
Stable fixtures	48	3	51
Families accommodated	4,228	86	4,314
Persons accommodated	5,471	258	5,729

In accordance with instructions from the Honorable Board of Aldermen, the following sewers were extended this year, viz.:

Morton Avenue, Spring Street-west	406ft. of 10-inch pipe	$368.66
Spring Street, Morton Ave.-north	118ft. of 8-inch pipe	97.22
Washington Street Extension	131ft. of 8-inch pipe	86.70

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Third Street, Cypress St.-north	86ft. of 8-inch pipe..	64.84
Battery Park, drain for fountain ..	50ft. of 3in. iron pipe..	14.06
	791ft.	$631.48

MAN HOLES BUILT.

King Park	$36.85
Carey Street (two)	61.02
	$97.87

CATCH BASINS REPAIRED.

Bacheller Street	1
Bateman Avenue at "Vanderbilt's"	1
Bellevue Avenue at Catherine Street	1
Broadway, at Cranston Avenue	1
Broadway, at Gould Street	1
Catherine Street, opp. Cottage Street	1
Church Street, at Spring Street (north side)	1
Church Street, at Spring Street (south side)	1
Grafton Street	1
John Street, at Spring Street (south side)	1
Kay Street, at Brinley Street	1
Kay Street, at Brinley Street	1
Marchant Street	1
Mary Street, at Spring Street	1
Middleton Avenue, at Berkeley Avenue	1
Narragansett Avenue, at Dullen Estate	2
Newport Avenue, at Warner Street	1
Rhode Island Avenue	1
Ruggles Avenue, at Lawrence Avenue	1
Second Street, at Bridge Street	1
Spring Street, at Mill Street (north side)	1
Thames Street, at Waites Wharf	1
Third Street, at Marsh Street	1
West Broadway, at Caleb Earl Street	1
William Street (between Spring Street & Thames Street)	1
Total	26

EYE-HOLES REPAIRED.

Annandale Road	1
Ayrault Street, at Broadway	1
Bath Road, at Chandler Estate	1
Chapel Street	1
Everett Street, at Kay Street	1
Friendship Street, at Hope Street	1
Houston Avenue at Wellington Avenue	1
Lawrence Avenue, at Ruggles Avenue	2
Ochre Point Avenue, at Ruggles Avenue	1
Ruggles Avenue, at Ochre Point Avenue	1
Ruggles Avenue, at Wetmore Avenue	1
Simmons Street	1
Spring Street, at King Estate	1

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Webster Street, at Lawrence Avenue	1
Willow Street, at Cherry Street	1
Total	16

SEWERS REPAIRED.

Broadway, at Stone Street
Bowery Street, near King Street
Harrington Street, at Thames Street
Levin Street

CULVERTS REPAIRED.

Carroll Avenue, at Bateman Avenue
Carroll Avenue, near Thames Street
Coggeshall Avenue
Eustis Avenue
Eustis Avenue, at Old Beach Road
Eustis Avenue, at Water Works
Malbone Avenue
Morton Avenue
Ocean Avenue
Washington Street

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PERMITS FOR STREET AND SIDEWALK OPENINGS, ETC.

	Jan	Feb	Mar	Apr	May	Jne	July	Aug	Sept	Oct	Nov	Dec	Totals
Laying gas services		1	4	2	3	4	10	5	6	8	5		48
Laying gas mains	1			1		1	1				1		5
Extending gas mains					1	1		1					3
Repairing gas mains								3	1			1	5
Repairing gas services	2							5	3	1	2		13
Placing gas lamps			1	2	1	2		1	1	2		1	11
Changing location of gas lamps			1	1		4		2					8
Repairing gas lamps			1			1			1				3
Electric conduits			1	1		1	1			1			5
Electric light repairs				1									1
Telephone conduits	4												4
Laying street railway tracks					1								1
Repairing street railway tracks									1	2		1	4
Track drain				2									2
Repairing railroad bridge										1			1
Clearing drains			1	1	1	1		1				1	6
Repairing and relaying sewers	1		2		3	1		2		2		1	12
Laying granolithic sidewalks					1	1							2
Sidewalk light											1		1
Use of sidewalk for building		1		1	1	1						1	5
Laying driveways									1				1
	8	2	11	12	12	18	12	20	14	17	9	6	141

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STREETS TURNPIKED.

Street or Avenue.	Length feet	Width feet	Square Yards	Av. cost per Sq. Yd.	Total Cost
	21,260	23	10,886.6	.029	313.13
Coggeshall Avenue, Ruggles Avenue, south	597	18	1,127.3	.049	56.18
Heath Street	354	15	590.0	.048	28.59
LaSalle Place	204	12	272.0	.064	17.75
Pearl Street	663	32	2,357.3	.063	149.88
Prairie Avenue	235	21	548.3	.162	89.15
Record Street	364	22	889.3	.052	46.32
Robinson Street	216	12	288.0	.031	8.88
Russell Avenue	336	12	488.0	.043	20.97
Stewart Street	843	24	2,248.0	.069	155.73
Sunshine Court					
	25,072		19,694.8	.045	886.58

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STREETS MACADAMIZED (NEW WORK).

Street or Avenue.	Tons Trap Rock	Tons Cr. Stone	Days Steam Roller	Avg. Depth Work	L'ngth feet	Width feet	Sq. Yds.	Cost per sq.yd.	Cost Macadam	Cost Turn-pike	Total Cost
Heath Street		166	13	4 in.	597	18	1194.0	.344	410.44	56.18	466.62
LaSalle Place		98	7	4 in.	354	15	590.0	.422	249.09	28.59	277.68
Meikle Avenue		133	4½	4 in.	419	23	1070.7	.300	321.56		321.56
Petzska Court		55	3½	2 in.	300	16	533.3	.300	151.02		151.02
Prairie Avenue		228	11	6 in.	300	32	1066.6	.464	492.53	149.88	642.41
Record Street		104	7½	5 in.	235	21	548.3	.487	267.08	89.15	356.23
Rhode Island Avenue		374	17	6 in.	945	18	1890.0	.433	821.16		821.16
Robinson Street		191	13	5 in.	364	22	889.7	.500	444.80	46.32	491.12
Russell Avenue	3	327	20	4 in.	843	24	2248.0	.355	798.61	155.73	954.34
Sunshine Court		62	4½	4 in.	336	12	448.0	.356	159.55	20.97	180.25
	3	1738	101		4693		10478.6	.40	4115.84	546.82	$4693.36

TARVIA-MACADAM.

Street or Avenue.	Tons Trap Rock	Tons Cr. Stone	Days Steam Roller	Avg. Depth Work	L'ngth feet	Width feet	Sq. Yds.	Cost per sq.yd.	Cost Macadam	Cost Turn-pike	Total Cost
Coggeshall Avenue, Ruggles Avenue, south	40	1693	59½	6 in.	4260	24	10886.6	.429	4677.75	313.13	$4990.18

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STREETS RE-MACADAMIZED.

Street or Avenue.	Tons Trap Rock	Tons Cr. Stone	Days Steam Roller	Avg. Depth Work	Length feet	Wdth. feet	Sq. Yds.	Cost per sq. yd.	Total Cost
Bath Road	74	400	25	2 in.	4158	14	6467.9	.156	1012.86
Bellevue Avenue, Coggeshall to Ledge Road		128	12	3 in.	597	29	1923.6	.184	364.70
Cottage Street		93	9	5 in.	382	21	891.4	.284	253.38
DeBlois Street		142	9½	4 in.	512	14	796.4	.438	338.72
Division Street		182	15	4 in.	934	14	1452.8	.322	468.19
Extension Street		95	7	3 in.	540	14	840.0	.285	239.67
Kinsley's Wharf		76	4½	4 in.	545	18.7	1132.4	.152	172.50
Lee Avenue		341	15	6 in.	682	20	1515.5	.462	801.15
Lucas Avenue		121	9	3 in.	568	18	1138.0	.250	284.89
Ruggles Avenue, Drexel Est., to Wetmore Ave.		389	21	5 in.	1475	23	3769.4	.222	838.57
Warner Street, Pond Ave. to Dartmouth St.	14	318	18½	4 in.	1151	15	1918.3	.396	751.93
	88	2285	145½		11544		21845.7		$5426.56

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STREETS—RE-SURFACED AND ROLLED.

Street or Avenue.	Tons Trap Rock	Tons Cr'h'd Stone	Days Steam Roller	Length Feet	Width Feet	Sq. Yds.	Cost per Sq.yd.	Total Cost
Bellevue Ave., Ledge road to Turn	29		3	723	29	2,329.6	.037	$85 96
Bellevue Ave., Mill St., south	231	227	39½	3,184	29	10,259.5	.117	1,201 56
Broadway		926	52½	4,754	26	13,733.7	.151	2,082 60
Coddington Street		50	5	405	16	720.0	.190	136 36
Dixon St.		35	4	747	11	913.0	.110	100 94
Hammond St.		19	4	785	20	1,744.4	.041	71 69
School St., Touro St. to Mary St.		48	2½	249	15	415.0	.258	107 38
Washington St., Marsh St., south		94	6	241	22	589.1	.383	225 59
West Narragansett Ave., Thames to Marchant		59	5	300	24	800.0	.184	147 52
	260	1,458	121½	11,388		31,554.3		$4,159 60

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NEW DRIVEWAYS PAVED.

Powel Ave. at "Curtis"	11 ft. x 3 ft
Pelham St. at "Dr. Anderson's	9 ft. x 4 ft.

DRIVEWAYS REPAIRED.

Bath Road at Seabury's	24 ft. x 5 ft.
Bath Road at Ladd Estate	18 ft. x 4 ft.
Bath Road at Vose Estate	15 ft. x 4 ft.
Bridge St. at No. 2 Engine House	45 ft. x 12 ft.
Central St.	10 ft. 6 in. x 3 ft. 6 in.
Central St.	6 ft. 10 in. x 3 ft. 6 in.
Central St.	12 ft. 9 in. x 3 ft. 6 in.
Equality Park Place at No. 4 Engine House	44 ft. x 6 ft.
Perry St. at Lenthal School	15 ft x 3 ft. 6 in.
Prospect Hill St. at No. 8 Engine House	20 ft. x 15 ft.

REPLACING CURB IN DRIVEWAYS.

Bellevue Ave. at East Bowery St.	12 ft.
Bath Road at Casino	24 ft.
Bath Road at Corrigan's	24 ft.
Bath Road at Seabury's	15 ft.
Perry St. at Seabury's	22 ft.
	97 ft.

CROSSINGS RE-SET.

Ayrault St. at Kay St.	50 ft. x 10 ft.
Brooks Ave. at Broadway	41 ft. x 6 ft.
Bath Road at Bellevue Ave.	24 ft. x 8 ft.
Bull St. at Mount Vermon St.	21 ft. x 7 ft.
Channing St. at Malbone Ave.	24 ft. x 6 ft.
Clinton Ave. at Warner St.	24 ft. x 9 ft.
Church St. at Division St.	18 ft. x 9 ft.
Calvert St. at Cranston Ave.	12 ft. x 9 ft.
Division St. at Touro St.	27 ft. x 8 ft.
Division St. at Church St.	20 ft. x 9 ft.
Everett St. at Kay St.	42 ft. x 10 ft.
Farewell St. at Broadway	61 ft. x 8 ft 6 in.
Filmore St. at Brinley St.	20 ft. x 10 ft.
Frank St. at Spring St.	18 ft. x 6 ft.
Hayden Court at Bath Road	24 ft. x 10 ft.
Hall Ave. at Warner St.	22 ft. x 7 ft.
Heath St. at Spruce St.	18 ft. x 6 ft.
Harrington St. at Thames St.	12 ft. x 6 ft.
Kay St. at Brinley St.	24 ft. x 7 ft.
Marlborough St. at Broadway	50 ft. x 10 ft.
Powel Ave. at Kay St.	27 ft. x 10 ft.
Perry St. at Bellevue Ave.	24 ft. x 8 ft.
Pond Ave. at Warner St.	18 ft. x 4 ft.
Pleasant St. at Warner St.	22 ft. x 9 ft.
Pond Ave. at West Broadway	30 ft. x 6 ft.
Red Cross Ave. at Old Beach Road	26 ft. x 6 ft.
Second St. at Poplar St.	21 ft. x 4 ft.
Third St. at Walnut St.	24 ft. x 6 ft.
Van Zandt Ave. at Malbone Ave.	39 ft. x 6 ft.

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Washington St. at Bridge St.	15 ft. x 9 ft.
Walnut St. at Third St.	24 ft. x 6 ft.
Washington St. at Long Wharf	49 ft. x 8 ft.
Warner St. at Record St.	24 ft. x 3 ft.
West Broadway at Pond Ave.	33 ft. x 6 ft.

Total 34.

CROSSING REMOVED.

Narragansett Ave. at Clay St.

NEW GUTTERS.

		Sq. yds.
Battery Park	135 ft. x 3 ft.	45
Summer St. at Malbone Road	39 ft. x 4 ft.	11.7
Record St.	21 ft. x 3 ft.	7.
Oakwood Terrace at Red Cross Ave.	40 ft. x 5 ft.	22.2
		85.9

GUTTERS REPAVED.

Bath Road	1452 ft. x 2 ft.
Bellevue Ave. (Fludder block))	215 ft. x 2 ft.
Bridge St.	77 ft. x 2 ft.
Broadway near Bliss Road	300 ft. x 2 ft.
Catherine St., Gibbs Ave—west	650 ft. x 4 ft.
Central St.	345 ft. x 2 ft.
Extension St.	145 ft. x 2 ft.
Extension St.	138 ft. x 3 ft.
Franklin St.	433 ft. x 2 ft.
Farewell St.	56 ft. x 2 ft.
Kay St.	542 ft. x 5 ft.
Kay St.	190 ft. x 2 ft.
Kinsley Wharf	66 ft. x 1 ft.
McAlister St.	500 ft. x 2 ft.
Newman's Wharf	15 ft. x 2 ft.
Pelham St.	200 ft. x 2 ft.
Pond Ave.	30 ft. x 2 ft.
Powell Ave.	50 ft. x 2 ft.
Rhode Island Ave.	1140 ft. x 2 ft.
Washington St.	1075 ft. x 2 ft.
Tilley Ave	420 ft. x 2 ft.
Warner St.	1731 ft. x 2 ft.

NEW CURB.

Extension Street ..... 149 ft.

NEW CORNER CURB.

Th·irston Avenue, at Broadway ..... 36 ft.

CURBS RE-SET.

Bath Road	1854 ft.
Bellevue Avenue, at Traver's Block	186 ft.
Bellevue Avenue, from Kay Street to Catherine Street	215 ft.
Broadway, from Bliss Road to Whitehall Street	300 ft.
Bacheller Street	350 ft.

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Central Street	334 ft.
Extension Street	409 ft.
Equality Park Place	66 ft.
Franklin Street	350 ft.
Kay Street	376 ft.
Kinsley Wharf	72 ft.
Market Square (south side)	60 ft.
Pelham Street	50 ft.
Perry Street	302 ft.
Powel Avenue	85 ft.
Rhode Island Avenue	1140 ft.
School Street	108 ft.
Spring Street	98 ft.
Tilley Avenue	420 ft.
Touro Street	212 ft.
Warner Street	1082 ft.
Washington Street	1075 ft.
	8144 ft.

STREETS PATCHED.

Kay Street, Brinley Street, Hunter Avenue, Catherine Street, [illegible] Avenue, Bath Road, Kinsley's Wharf, Van Zandt Avenue, Berkeley Avenue, Rhode Island Avenue, Clay Street, Bliss Road, Washington Street, near Long Wharf; Third Street, Broadway, [illegible] Street, Farewell Street, Ann Street, Dresser Street, Dartmouth Street, Newport Avenue, Warner Street, Arrault Street, [illegible] Street, Old Beach Road, Fair Street, Washington Square, Bay, [illegible] Street, Franklin Street, Cottage Street, [illegible] Street, [illegible] Street, Powel Avenue, Chapel Street, Ochre [illegible] Avenue, Narragansett Avenue, Pelham Street, Levin Street, [illegible] Park, Clark Street, [illegible] Street, Annandale Road, [illegible] Street, [illegible] Street, West Marlborough Street, [illegible] Street, [illegible] Street, Dickson Street, Marchant [illegible] Street, [illegible] Street, Friendship [illegible] Street, [illegible] Street, Corne Street, [illegible] Avenue, Bay View [illegible] Street, Garfield [illegible] Avenue, [illegible] Street, Poplar [illegible] Street, Spruce Street, [illegible] Avenue.

[illegible] FOR [illegible]

		Sq. Yds.
[illegible]	[illegible] ft.	[illegible]
[illegible]	[illegible] ft.	[illegible]
[illegible]	[illegible] ft.	[illegible]
[illegible]	[illegible] ft.	[illegible]

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Dean Avenue	60 ft. x 5 ft. 6 in.	36.6
East Bowery Street, at Tozier's	40 ft. x 7 ft.	31.1
Farewell Street at Anthony's	98 ft. x 8 ft. 6 in.	36.6
Franklin Street, at Pinto's	43 ft. x 7 ft. 3 in.	34
High Street, at Howland's	43 ft. x 6 ft.	28.6
Oak Street, at Buckley's	108 ft. x 4 ft.	48
Prairie Avenue, at McVicker's	60 ft. x 4 ft. 6 in.	30
		674.4

NEW GRANOLITHIC SIDEWALKS.

		Sq. Yds.
Ann Street Pier	170 ft. x 3 ft. 6 in.	66.1
Touro Street, Mary St. to High Street	142 ft. x 4 ft.	63.1
Touro Street, School Street-east	100 ft. x 4 ft. 8 in.	53.3
	412 ft.	182.5

NEW FLAG WALK.

Extension Street ..... 135 ft. x 2 ft.

NEW SIDEWALKS WITH GRASS BORDERS.

		Sq. Yds.
Broadway, Elliott Place-south	675 ft. x 4 ft.	300.0
Carroll Ave Bateman to Thames St	411 ft. x 4 ft.	182.6
Coggeshall Ave, Ruggles Ave-south	4036 ft. x 5 ft.	2242.2
Harrison Ave (west side)	200 ft. x 3 ft.	66.6
Third Street, Cypress Street-north	2563 ft. x 5 ft.	1424.0
		4215.4

SIDEWALK REPAIRS.

Flagstone:		Sq. Yds.
Bellevue Ave, Touro to Catherine St.	215 ft. x 10 ft.	238.8
Bellevue Ave, Redwood to Old Beach Rd	260 ft. x 9 ft.	215.5
Broadway, at Clinton Avenue	59 ft. x 8 ft.	52.4
Byrnes Street	300 ft. x 2 ft.	66.6
Central Street	235 ft. x 5.4 ft.	141.0
Extension Street	399 ft. x 2 ft.	88.6
Franklin Street	258 ft. x 7.9 ft.	225.4
McAllister Street	300 ft. x 2 ft.	66.6
Pelham Street	50 ft. x 10 ft.	55.5
Spring Street, at Congregational Church	10 ft. x 7.6 ft.	8.4
Spring Street, at Crandall's	50 ft. x 6 ft.	33.3
Thames Street, at Bryer's Exchange	45 ft. x 7 ft.	35
Touro Street	387 ft. x 6 ft.	258
William Street	311 ft. x 4.8 ft.	165.8
	2849 ft.	1630.9

Brick:		Sq. Yds.
Central Street	98 ft. x 5.2 ft.	56.6
Kay Street	511 ft. x 8.7 ft.	493.9
Kay Street	407 ft. x 8.5 ft.	384.9
Kinsley Wharf	72 ft. x 14 ft.	112
Newman's Wharf	15 ft. x 4 ft.	6.6

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Mount Vernon Street	172 ft. x 6 ft.	114.6
Spring Street	98 ft. x 6.4 ft.	69.6
Washington Street	100 ft. x 9 ft.	100
	1473 ft.	1338.2

Granolithic:		Sq. Yds.
Bath Road	39 ft. x 8 ft.	34.6
Green Place, at Spring Street	14.8 ft. x 5 ft.	8.2
Mary Street, at Birkhead Place	15 ft. x 5.6 ft.	9.3
Spring Street	34 ft. x 5 ft.	18.8
	102.8 ft.	70.9

Asphalt Block:		Sq. Yds.
Franklin Street	51 ft. x 8 ft.	45.3
Market Square	68 ft. x 5 ft.	37.7
Perry Street	50 ft. x 8 ft.	44.4
	169 ft.	127.4

Cinders:		Sq. Yds.
Brandt Street	345 ft. x 5 ft.	191.6
Butler Street	66 ft. x 5 ft.	36.4
Calvert Street	61 ft. x 8 ft.	54.2
Congdon Avenue	736 ft. x 6 ft.	490.6
Cottage Street	32 ft. x 6 ft.	21.3
Chapel Street	250 ft. x 3 ft.	83.3
Chestnut Street	216 ft. x 6 ft.	144
Chase Street	222 ft. x 3 ft.	74
DeBlois Street	219 ft. x 4 ft.	97.3
Equality Park Place	45 ft. x 9 ft.	45
Evarts Street	245 ft. x 5 ft.	136.1
Filmore Street	340 ft. x 5 ft.	188.8
Gould Street	339 ft. x 6 ft.	226
Hall Avenue	75 ft. x 8 ft.	66.6
La Salle Place	354 ft. x 3 ft.	118
Malbone Road	50 ft. x 6 ft.	33.3
Middleton Avenue	1134 ft. x 5 ft.	603
Old Beach Road	391 ft. x 4 ft.	173.7
Pond Avenue	890 ft. x 10 ft.	988.8
Sycamore Street	213 ft. x 3 ft.	71
Second Street	600 ft. x 5 ft.	333.3
Third Street, Chestnut to Battery	455 ft. x 4 ft.	202.2
Van Zandt Avenue	1647 ft. x 6 ft.	1098
Weaver Avenue	200 ft. x 4 ft.	88.8
Wesley Street	200 ft. x 3 ft.	66.6
Warner Street	250 ft. x 5 ft.	138.8
	9575 ft.	5770.7

Crushed Stone:		Sq. Yds.
Ann Street	200 ft. x 3 ft.	66.6
Broadway, at High School	172 ft. x 9 ft.	172.0
Coggeshall Avenue	4030 ft. x 4 ft.	1791.1
Dixon Street	125 ft. x 3 ft.	41.6
Everett Street	200 ft. x 7 ft.	155.5

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High Street	10 ft. x 6 ft.	6.6
John Street	100 ft. x 2 ft.	22.2
Mann Avenue	150 ft. x 8 ft.	133.3
School Street	100 ft. x 9 ft.	100
Washington Street	222 ft. x 9 ft.	222
Wheatland Avenue	240 ft. x 5 ft.	133.3
	5549 ft.	2844.2

Dirt:		Sq. Yds.
Ayrault Street	150 ft. x 7 ft.	116.6
Bacheller Street	180 ft. x 6 ft.	120
DeBlois Street	210 ft. x 3 ft.	70
DeBlois Street	219 ft. x 4 ft.	97.3
Hammond Street	500 ft. x 5 ft.	288.8
North Newport Avenue	225 ft. x 4 ft.	100
Russell Avenue	843 ft. x 6 ft.	562
State Street	150 ft. x 4 ft.	66.6
Washington Street	800 ft. x 8 ft.	711.1
William Street	900 ft. x 4 ft.	400
	4177 ft.	2534.4

SEA WALLS REPAIRED.

Ocean Avenue, opposite T. M. Davis'	75 ft. x 4 ft.
Walnut Street (wall and steps)	33 ft. x 7 ft.
Battery Park	275 ft. x 14 ft.

FOUNTAINS REPAIRED.

Broadway, at Soldiers' and Sailors' Monument
West Broadway
Washington Street

BRIDGES REPAIRED.

Green Bridge, Ocean Avenue, repairs rip-rap wall.
Water Works Road.
Van Zandt Avenue.

TREES REMOVED.

Marchant Street
Greenough Place.
Mary Street.
East Bowery Street.

INVENTORY OF PROPERTY BELONGING TO THE HIGHWAY DEPARTMENT.

Office.

1 Victor safe	$180.00
1 Iron safe (City Yard Office, Long Wharf)	25.00
1 Iron safe (loaned License Commissioners)	140.00
Furniture, clock, stoves, desk, copypress, etc.	55.00
1 Engineer's transit	250.00

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1	Set engineer's drafting instruments	5.50	
1	Plummet lamp	5.00	
1	Exploding battery	25.00	
1	Engineer's level and rod	50.00	
			$735.50

Wharf and Stable.

1	Fairbanks scale	$50.00
10	Horses	2000.00
3	Stone Wagons	300.00
4	Dump carts	80.00
2	Two horse steel dump carts	300.00
1	Two horse steel dump cart (old)	25.00
3	One horse steel dump carts	375.00
1	Double gear	75.00
1	Single gear	50.00
1	Express wagon	100.00
1	Street sweeper	25.00
1	Two horse roller	200.00
11	One horse watering carts	1925.00
[illegible]	Two horse Watering carts	2475.00
[illegible]	Sets double harness	150.00
[illegible]	Sets cart harness	20.00
[illegible]	Sets single wagon harness	20.00
[illegible]	[illegible] covers	[illegible]
[illegible]	[illegible]	[illegible]
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1	Set bits	2.00
1	Breast drill	2.00
4	Crosscut saws	6.00
3	Bit stocks	6.00
7	Hand saws	3.50
1	Wood saw	1.00
1	Hack saw	1.00
3	Straight edges	3.00
2	Plows	25.00
2	Stone axes	3.00
43	Cutting tools	4.30
7	Hand drills	3.50
22	Iron bars	22.00
11	Tampers	11.00
2	Iron pounders	2.00
53	Iron pins	13.25
500	lbs steel	40.00
4	Striking hammers	6.00
13	Sledges	19.50
2	Anvils	7.50
6	Paving pounders	5.00
31	Picks	15.50
7	Levels	3.50
6	Trench braces	18.00
2	Maddocks	1.00
7	Iron rakes	5.25
2	Scoop shovels	1.00
2	Tape measures	1.00
1	Steel tape measure	7.50
25	Guard pins and ropes	5.00
2	Manhole guards	5.00
1	Hydrant valve	2.00
4	Tool boxes	10.00
3	Sets blocks and falls	15.00
7	Stilson wrenches	7.00
11	Monkey wrenches	5.50
2	Pair chain tongs	10.00
1	Bolt cutter	.50
3	Bench vices	12.00
1	Flush tank	30.00
2	24-inch manhole grates and rims	18.00
4	24-inch manhole covers and rims	38.00
1	Light Iron cover	1.00
37	Long handle shovels	37.00
2	Heavy iron covers	4.00
8	Short handle shovels	6.00
1	Stone roller	25.00
6	Large axes	9.00
2	Small axes	2.00
5	Ox chains	5.00
4	Spades	4.00
4	Scythes and blades	6.00
3	Squares	3.00
1	Trowel	.50
2	Rubber covers	4.00

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8 Hoes	4.00	
6 Suits oilskin	10.00	
5 Pipe wrenches	2.50	
2 California pumps	3.00	
2 Smoothing trowels	1.50	
1 Pair trimming shears	1.50	
4 Pails	.40	
11 Iron drinking pails	5.50	
2 Step ladders	2.00	
2 Joiners (granolithic tools)	2.00	
1 Emery wheel	5.00	
11 Pair rubber boats	66.00	
1 Set wood chisels	10.00	
3 Planes	6.25	
4 Screw drivers	2.00	
1 Set dies and taps	15.00	
1 Bevel	1.00	
1 Pipe cutter	1.00	
1 Painter's torch	1.50	
2 Sets stencils	3.00	
2 Hatchets	1.00	
3 50-gallon oil cans	15.00	
2 Funnels	.50	
2 ½-gallon measures	1.00	
1 Blacksmith portable forge	12.60	
1 Pair snips	2.00	
1 Set sewer cleaning rods and fittings	50.00	
100 feet ½-inch rubber hose	10.00	
1 Soldering iron	1.50	
1 Ratchet drill and 16 drills	18.00	
2 Iron clamps	1.00	
1 Drawing knife	1.00	
1 Extension bit	1.25	
1 Norton jack (15 ton)	48.00	
1 Extension ladder (30 feet)	3.00	
1 Ladder (18 feet)	2.00	
1 Upright self-feeding drill and 14 drills	29.00	
3 5-gallon oil cans	3.00	
		$17,691.05

Settling Tank.

1 Centrifugal pump and fittings	300.00	
1 Hoisting engine	300.00	
1 Boiler	365.00	
		$965.00

Quarry.

2 Crushers, engine and boiler	$4500.00	
1 Fairbanks scale	100.00	
1 Bellows	15.00	
2 Vices	10.00	
1 Anvil	7.00	
1 Chain fall	10.00	
1 Clock	3.50	
1 McKiernan steam drill and fittings	296.00	
		$4941.50

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Ocean Avenue.

1 Steam boiler, pump and tanks	500.00
1 Windmill (pump and tank at yard), formerly at Bailey's Beach	500.00

Collins Beach.

1 Steam pump, boiler and tank	500.00

Long Wharf.

1 Steam boiler, pump and tank	300.00
	$26,133.05

STATEMENT OF CASH RECEIVED AND DEPOSITED WITH THE CITY TREASURER DURING THE MUNICIPAL YEAR OF 1909.

General Fund.		Highway Department Fund.	
Wharfage	$103.88	Labor	$731.98
Weighing	149.30	Materials	1861.99
Permits	97.50	Use Watering Cart	6.00
Street Sweepings	524.50	Use Pumps	65.00
Manure	18.00	Sale Pair Horses	225.00
Outstanding Accounts	36.57	Donation, dustoline	200.00
Miscellaneous & Junk	71.95		
	$1,001.70		$3,089.97

RECEIPTS AND EXPENDITURES OF STREETS AND HIGHWAYS FOR THE MUNICIPAL YEAR OF 1909.

Receipts.

Appropriation	$100.700.39
Appropriation	200.00
Appropriation	400.00
Cash received and deposited with the City Treasurer to the credit of the Highway Fund, as per above statement	3,089.97
	$104,390.36

Disbursements.

Paid for labor	$80,639.05
Paid for materials	17,926.21
Balance unexpended	5,825.10
	$104,390.36

STATEMENT SHOWING APPROPRIATIONS, DISBURSEMENTS AND BALANCES OF THE STREET AND HIGHWAY DEPARTMENT DURING THE THE MUNICIPAL YEAR 1909.

	Appropriation	Disbursement	Balance
a. Office and City Yard	$2,250,00	$2,246.77	$3.23
b. Cleaning Streets	28,200.00	27,593.47	606.53

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c. Removal of Snow and Ice		3,500.00	804.54	2,695.46
d. Watering and applying dustlaying substances		12,207.50	12,083.31	124.19
e. Cleaning and repairing sewers, culverts and Settling Tank ..		4,203.13	3,949.34	253.79
f. General repairs to Streets and Sidewalks		9,765.15	9,752.18	12.97
g. Building, repairing and cleaning catch basins		4,000.00	3,883.04	111.96
h. Re-surfacing and re-macadamizing of streets		11,000.00	10,995.34	4.66
i. Re-setting curbs, re-laying gutters, driveways, crossings, etc.		5,032.81	4,991.27	41.54
j. Cleaning, painting, repairs, etc., at Easton's Beach, Forty Steps, City fountains, bridges, floats, sea walls, trimming trees, etc.		1,100.00	1,090.27	9.73
k. Repairs to City Yard buildings..		500.00	206.65	293.35
l. New Water Tank to be placed at Bailey's Beach or some other nearby beach		275.00	50.83	224.17
m. One horse		100.00	——	100.00
n. Emergency and miscellaneous incidentals	$1,951.71			
Less transferred to Rhode Island Ave, $146.16, and Ocean Ave Sea Wall, $21.91	168.07	1,783.64	1,753.01	30.63
		$83,917.23	$79,405.02	$4,512.21

City Garbage.	Appropriation.	Disbursement.	Balance.
Collection and disposal	$5,124.00	$5,124.00	$——
Labor of two men, one at each dump	1,252.00	1,252.00	——
Supervision	260.00	260.00	——
Wellington Ave Dump, building wire cage and burning rubbish at night	200.00	59.15	140.85
Supplies	64.00	5.15	58.85
	$6,900.00	$6,700.30	$199.70

Unfinished Work.			
Sea wall, Ocean Ave $475.39			
Transferred from the Emergency fund .. 21.91	$497.30	$497.30	$——

New Work.			
Connecticut Avenue, Parvia-Macadam	$5,000.00	$4,990.88	$9.12
Prairie Avenue Macadam	650.00	642.41	7.59

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Robinson Street macadam	500.00	491.12	8.88
Heath Street macadam	500.00	466.62	33.38
Meikle Avenue macadam	500.00	321.56	178.44
Record Street macadam	400.00	356.23	43.77
Petzka Court macadam	500.00	151.02	348.98
Sunshine Court macadam	400.00	180.52	219.48
La Salle Place macadam	400.00	277.68	122.32
Extension Street Improvement	500.00	468.69	31.31
Rhode Island Ave macadam $675.00			
Transferred from the Emergency fund 146.16		....	
	821.16	821.16	
Russel Ave macadam	1,000.00	954.34	45.66
Third Street Cinder Walk	400.00	335.74	64.26
	$11,571.16	$10,457.97	$1,113.19

Total balance unexpended (Highway Fund) $5,825.10
Total balance unexpended (Broadway and Spring Street Bitulithic Pavement) 5,506.73

$11,331.83

SUMMARY OF EXPENDITURES ON STREETS AND HIGHWAYS FOR THE MUNICIPAL YEAR OF 1909.

	Labor.	Materials.	Total.
Office	$1,313.50	$185.59	$1,499.09
City Yard	626.50	121.18	747.68
Cleaning Streets	15,067.23	635.36	16,602.59
Cleaning Thames Street	5,211.94	594.78	5,806.72
Cleaning Spring Street	2,063.37	144.64	2,208.01
Cleaning Broadway	1,901.73	190.93	2,092.66
Cleaning Long Wharf	824.27	59.22	883.49
Removing Snow and Ice	541.14	263.40	804.54
Watering Streets	9,120.35	956.88	10,077.23
Applying Glutrin	17.46	74.91	92.37
Applying Texas Oil	.68	.19	.87
Appilying Dustoline	123.72	1,789.12	1,912.84
Cleaning Main Sewers	2,437.68	80.73	2,518.41
Cleaning Settling Tank	307.96	79.99	387.95
Repairing Sewers and Culverts	224.81	20.67	245.48
Inspecting Sewer Connections	66.02	——	66.02
Morton Avenue, Extending Sewer	271.52	97.14	368.66
Spring Street, Sewer, Morton Ave.-no.	67.65	29.57	97.22
Battery Park, drain from fountain ..	14.06	——	14.06
Washington Street, Extension Sewer	76.38	10.32	86.70
King Park, building manhole	30.82	6.03	36.85
Third St, Extend sewer, Cypress St-no	46.04	18.80	64.84
Carey Street, building two manholes	50.90	10.12	61.02
General Reps. and Patching Streets .	1,804.11	1,354.94	3,159.05
General Repairs to Sidewalks	513.23	205.60	718.83
Preparing Sidewalks for Granolithic	515.43	89.11	604.54
Broadway Repairs	38.90	44.48	83.38

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Ocean Avenue Repairs	454.21	136.51	590.72
Thurston Avenue Repairs	35.87	8.33	44.20
Pelham Street Repairs	116.19	28.77	144.96
Ridge Road Repairs	19.80	8.47	28.27
Harrison Avenue Repairs	173.80	39.21	213.01
Touro Street Patching	27.34	106.51	133.85
Touro Street, Granolithic Sidewalks..	133.81	61.18	194.99
Touro St., rep. Flagwalk, etc.	186.41	12.28	198.69
Bellevue Ave, Sidewalk Repairs	169.35	9.28	178.63
Perry Street, Sidewalk Repairs	44.82	5.32	50.12
Extension Street, Sidewalks Repairs	24.43	——	24.43
Bellevue Ave., Reps., Mill Street-north	162.21	151.76	313.97
Bellevue Avenue Patching	28.87	139,87	168.74
Clay Street Repairs	13.69	5.01	18.70
Ann St. Pier, Granolithic Sidewalk ..	118.60	35.00	153.60
Kinsley Wharf, Sidewalk Repairs ..	41.47	4.33	45.80
Carroll Ave., Sidewalk Repairs	86.78	1.44	88.22
Bay Street Sidewalk Repairs	151.79	7.53	159.32
Broadway Sidewalk, Elliot Place-south	90.75	——	90.75
Harrison Ave., Sidewalk south side Carroll Ave. west	35.50		35.50
Market Square, rep. Sidewalk	55.76	4.09	59.85
Newman's Wharf, rep Sidewalk	21.89	1.77	23.66
Chestnut Ave., Sidewalk, west side	446.92	8.78	455.70
Woodland Ave. Sidewalk	39.98	2.31	42.29
Franklin St. Rep. Flagstone walk..	105.45	6.96	112.41
[illegible] St. Sidewalk Rep	31.71	5.54	37.25
[illegible] St. Rep Sidewalks	86.87	1.84	88.71
[illegible] St. Sidewalk Rep	77.61	3.03	78.64
[illegible] Sidewalk Reps ..	37.97	15.99	53.94
[illegible] St. Sidewalk Reps	27.27	.20	27.30
[illegible] Sidewalk Reps	75.55	7.56	83.11
[illegible]	72.58	102.04	174.62
[illegible] St. Sidewalk Reps	20.77	3.34	24.11
[illegible]	177.71	523.65	701.36
[illegible]	6.30	7.89	14.19
[illegible]	38.87	8.55	47.42
[illegible]		505.41	505.40
[illegible] Rocks & Fence	1837.16	421.27	2253.39
[illegible] Rocks & Fence	28.19	50.42	550.61
[illegible] Rocks	10.87	6.30	17.23
[illegible] Ave. & Belmont St. Building Line	37.77	17.53	55.30
[illegible] Building Line	35.48	9.57	44.05
[illegible] St. & Bowdoin St. Building Line	21.62	7.30	28.32
[illegible] Building Line & Wall	[illegible]	75.79	175.23
[illegible]	1773.75	378.85	2162.60
[illegible]	3.[illegible]	47.93	55.96
[illegible] St.	1[illegible]	[illegible]	1201.56
[illegible]	[illegible]	[illegible]	247.32

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Coddington St. resurface	112.19	24.17	136.36
Hammond St. resurface	56.82	14.87	71.69
Dixon St. resurface	80.35	20.59	100.94
School St. resurface	88.54	18.84	107.38
Washington St. resurface	183.44	42.15	225.59
Bull St. resurface with Tarvia	68.97	52.34	121.31
Applying Tarvia to Webster, Cary, Mann Ave. & Ayrault St.	106.35	203.78	310.13
Applying Glutrin to Lucas Ave.	6.54		6.54
Bath Road, re-macadamize	727.09	285.77	1012.86
Bellevue Ave. re-macadamize, Coggeshall to Ledge Road	302.68	62.02	64.70
Ruggles Ave. re-macadamize, Drexel Est. to Wetmore Ave.	689.06	149.51	838.57
Lucas Ave re-macadamize	227.87	57.02	284.89
Lee Ave. re-macadamize	566.22	134.93	701.15
Wesley St. re-macadamize	248.02	57.72	305.74
Summer St. at Malborne Rd., Double Gutter	38.65	12.98	51.63
Record St. at Channing St., Gutter..	19.72	.75	20.47
Oakwood Terrace Driveway at Red Cross Ave.	62.38	15.00	77.38
Prospect Hill St. Driveway at No. 8 Engine House	20.53	2.73	23.26
Green Place Driveway at Spring St. ..	17.18	9.25	26.43
Replacing Curb in Driveways	32.67	5.16	37.83
Repairing and relaying Driveways	36.61		36.61
Kinsley's Wharf, reset curb	27.23	3.32	26.95
Powel Ave & Kay St., reset curb	21.20	5.75	26.95
Pelham St. reset curb	20.14	2.46	22.60
Kay St. reset curb	29.07	1.10	30.17
Belevue Ave reset curb at Traver's Block	32.38	2.14	3425
Belevue Ave. reset curb at Catherine St. north & Redwood st, south	50.26		50.26
Franklin St. reset curb, north side..	67.91	12.50	79.96
Bath Road reset curb	576.24	88.06	663.30
Spring St. reset curb, Bull St., so.....	34.62	5.49	40.11
Broadway, Relay Gutter	51.42	10.12	61.54
Tilley Ave. reset curb	142.38	20.87	163.25
Perry St. reset curb	176.68	24.65	201.33
Warner St. reset curb	433.21	50.63	483.84
Thurston Ave. at Broadway, corner curb	72.31	14.00	86.31
Extension St. reset curb	91.11	12.46	103.57
Central St. reset curb	122.36	5.76	128.12
Forty Steps, paint & repair	21.00	11.20	32.20
Water Works Rd. Bridge repairs	7.25	27.44	34.69
Van Zandt Ave. Bridge rep.	20.76	29.78	50.54
Walnut St. Sea Wall rep	43.63	11.41	55.04
Clean & repair Fountain	159.62	68.25	227.87
Trimming & Removing Trees	75.41	9.21	84.62
Long Wharf, repair wharf wall	89.66	19.58	109.24
Briggs Wharf, repair wharf wall	5.23	.36	5.59
Long Wharf, painting iron fence	2.50	3.75	6.25

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Long Wharf, repairing floats	1.25		1.25
Ann St. Pier repairs	.63	.27	.90
Elm St. Pier repairs	1.25		1.25
Van Zandt Ave. Pier repairs	50.31	2.01	52.32
Willow St. Brow repairs	8.94	20.95	29.89
Ocean Ave. painting fence at Gooseneck	10.00	3.75	13.75
Green Bridge, Ocean Ave., repair riprap wall	46.35	.75	47.10
Ocean Ave., repair Sea Wall opp T. M. Davis' Est.	31.43	5.97	37.40
Easton's Beach clean Broadway, repair & paint fence, etc	321.33	14.75	336.08
Pumping out Floats, Long Wharf	3.75		3.75
City Yard, reps to stable	127.29	68.89	196.18
City Yard, reps. to building, scales	1.25	9.22	10.47
Bailey's Beach, removing Wind Mill etc.	46.41	4.42	50.83
Overpaid for Gravel		13.08	13.08
Battery St. repair Sea Wall	14.93	.75	15.68
Green Bridge, repair Fence	2.50	.30	2.80
Emergency & Miscellaneous Incidentals		855.99	855.99
Spraying Trees	118.13		118.13
Renovating office, City Hall	61.50	97.19	158.69
Repair Vault, etc at City Clerk's office	18.32	5.28	23.60
Fort Green, pointing Sea Wall	121.06	34.69	155.75
Ocean Ave. Sea Wall footing	138.52	51.57	190.09
Ocean Ave. Sea Wall	452.07	45.23	497.30
Division St. re-macadamize	389.61	78.58	468.19
Extension St. re-macadamize	193.59	46.08	239.67
Kinsley's Wharf re-macadamize	142.60	29.90	172.50
DeBlois St. re-macadamize	274.12	64.60	338.72
Cottage St. re-macadamize	204.29	49.09	253.38
Warner St. re-macadamize, Pond Ave, to Dartmouth St.	588.62	163.31	751.93
Crushed Stone on hand at Crusher	547.59	120.59	668.18
Measuring Sts.	75.00		75.00
School St. reset curb	76.85	13.24	90.09
Washington St. reset curb	259.11	24.51	283.62
Pond Ave. reset curb	11.98	2.41	14.39
Bacheller St. reset curb	108.56	14.76	123.32
Rhode Island Ave. reset curb	289.73	20.56	310.29
Equality Park Pl. reset curb	15.74	1.34	17.08
Removing Crossings	12.24	.36	12.60
Repairing & relaying Crossings	681.00	52.84	733.84
Farewell St. Crossing at Broadway	82.37	5.02	87.39
Birkhead Pl. Driveway at Mary St.	14.09	7.44	21.53
Equality Park Pl. Driveway at No. 4 Engine House	15.16		15.16
Elm St. Driveway at Potter School	25.49	2.69	28.18
Relaying Gutters	11.83		11.83
Catherine St. relay Gutter, Gibbs Ave. west	260.80	45.37	306.17

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Powel Ave. relay Gutter	25.57	5.41	30.98
Pelham St. relay Gutter, Thames St. east	33.89	7.89	41.78
Kay St. relay Gutter	65.95	11.61	77.56
Newman's Wharf relay Gutter	10.00		10.00
Franklin St. Relay Gutter, no side	70.50	12.04	82.54
McAllister St. relay Gutter	32.91	3.67	36.58
Battery Park Gutter	53.86	6.59	60.45
Garbage	6,656.00	5.15	6,661.15
Wellington Ave. Dump, building fence	23.09	16.06	39.15
Coggeshall Ave. Tarvia Macadam	3,475.90	1,514.98	4,990.88
Prairie Ave. macadamize	552.82	89.59	642.41
Petzka Ct. macadamize	121.63	29.39	151.02
Meikle Ave., Turnpike & macadamize	265.48	56.08	321.56
LaSalle Pl., Turnpike & macadam	222.49	55.19	277.68
Sunshine Ct., Turnpike & Macadamize	144.57	35.95	180.52
Record St. Turnpike & macadam	295.86	60.37	356.23
Extension St. Improvement	378.69	90.00	468.69
Heath St., Turnpike & macadam	396.05	70.57	466.62
Robinson St., Turnpike & macadam	408.61	82.51	491.12
Rhode Island Ave. macadam	664.36	156.80	821.16
Russell Ave. Turnpike & macadam	775.53	178.81	954.34
Third St., Cinder Walk, west side from Cypress St., north	301.30	34.44	335.74
	$80,639.05	$16,421.54	$97,060.59

Detail of Expenditures on Streets and Highways for the Municipal Year of 1909.

January.

1	Wm. H. Cotton Pharmacy, kronkine	.75
2	C. A. Hilckon, binding Annual Report	.75
3	Providence Telephone Co., telephone service	22.00
4	H. L. Marsh & Co., forage	77.26
5	F. E. Fitts Mfg. & Supply Co., rainbow packing	16.74
6	Kee Lox Mfg. Co., typewriter supplies	8.50
7	Harold L. Bond Co., wrenches	5.68
8	J. L. & H. K Potter, packing, etc.	21.00
9	John P. Warth & Brother, brooms	42.00
10	Wm. A. Stoddard, stock food	4.00
11	Perrin, Seamans & Co., bolts	14.64
12	Ward Printing Co., letter heads	4.50
13	Newport Paper & Grocery Co.	.84
14	James J. Dugan, garbage	405.65
15	George T. King, labor at dump	50.00
16	Cornelius Harrington, labor at dump	50.00
17	Dennis Shanahan, forage	189.44
18	Downing Brothers, perscriptions	1.35
19	George Stanhape, soaps	4.15
20	O. R. Braman, rep. harness	2.75
21	George Gratrix, reins, etc.	5.87
22	George W. Richie, stable supplies	5.75
23	P. F. Clark & Co., shoeing	9.00
24	M. Kennedy, shoeing	2.00

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25	Shreenan & Sullivan, shoeing	6.00
26	John E. Leddy, shoeing	8.00
27	George W. Callahan, shoeing	5.75
28	Daniel Beard, shoeing	9.00
29	George H. Carr, office supplies	2.90
30	Wm. Clarke, office supplies	2.50
31	Milne Printery, order books	5.00
32	Simon Hart, office supplies	2.77
33	Wm. B. Scott & Co., lye, etc.	1.85
34	Wm. K. Covell, rep. copper boiler, etc	2.83
35	Alex J. Fludder, pipe	3.60
36	J. D. Johnston, lumber	1.50
37	M. Brotherson, filing saws	.50
38	Newport Foundry & Machine Corp., gauge glasses, etc.	6.88
39	Alex N. Barker & Co., lumber, etc.	3.86
40	N. Y., N. H. & H. R R. Co, freight	.79
41	Chas. S Goddard, watering cart repairs	900
42	Ralph R. Barker, turpentine, etc.	4.32
43	E. S. Peckham, fuel	27.00
44	J. K. Sullivan, medicine for horse, etc	4.25
45	Remington Ward, blanks	4.75
	Pay roll	2717.42
		$3775.09

February.

46	Alex N. Barker & Co., scoop, etc.	$ 2.33
47	Wm. B. Scott & Co., pails, etc.	7.61
48	E. S. Peckham, fuel	20.25
49	George H. Carr office supplies	2.55
50	Simon Hart, office supplies	4.95
51	Ward Printing Co., sharpening blanks	2.50
52	Art Metal Construction Co., special blank divisions	4.50
53	Wright Brothers, bronite, etc.	12.20
54	Ralph R Barker soap etc	4.25
55	J. L. & H. K Potter, roller eyes	3.36
56	M. F Shea rep. carts, sharpening tools, etc.	21.15
57	New England Navigation Co., roller repairs	3.75
58	Chas S Goddard, watering cart repairs	12.05
59	Buffalo Steam Roller Co. grate bars, etc.	28.70
60	Newport Foundry & Machine Corp., rep. boiler	7.80
61	James J Dugan, garbage	405.65
62	George T King labor at dump	50.00
63	Cornelius Harrington labor at dump	50.00
64	Municipal Journal subscription	3.00
65	Dennis Shanahan forage	156.05
66	D. F. Clark & Co shoeing	4.50
67	M. Kennedy shoeing	.50
68	George W. Callahan shoeing	2.00
69	Shreenan & Sullivan shoeing	2.85
70	Dante Rossi shoeing	4.50
71	W. F. Curtis harness repairs	11.00
72	John E. Leddy, shoeing	4.00
73	Express etc	3.83
74	A. & H. C. Hammett lumber	1.58
75	Remington Ward printing	7.50

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76	Richard F. Walsh, watering cart repairs, etc.	20.50
77	City Sealer, testing scales	1.50
78	Walworth Mfg. Co., valves	2.46
	Pay rolls	1911.84
		$6556.33

March.

79	McKiernan Drill Company, steam hose	$20.25
80	Farrell Foundry & Machine Co., bucket bolts	5.00
83	James McBride, liniment & horse medicine	10.00
82	Walworth Manufacturing Company, packing	3.44
84	Newport Gas Light Co., gas	1.98
85	Phineas C. Clark, watering cart repairs	6.00
86	N. Y., N. H. & H. R R. Co., cinders	25.00
87	Ward Printing Co., printing	10.75
88	G. H. Bloom, watering cart repairs	3.85
89	Newport Paper & Grocery Co., toilet	.84
90	William O. Glazier, cleaning & repairing clock	1.00
91	John J. Connell, kerosene	7.50
92	James J. Dugan, garbage	405.65
93	George T. King, labor at dump	54.00
94	Cornelius Harrington, labor at dump	54.00
95	E. S. Peckham, fuel	76.06
96	Newport Engineering Works, packing, etc.	5.11
97	S. W. Coggeshall, shovels, pick handles, etc.	23.65
98	Alex N. Barker & Co., joist	.27
99	Chas. S. Goddard, roller & cart repairs	9.15
100	The Peckham Co., hose, etc.	10.00
101	Ralph R. Barker, paint, etc.	19.73
102	George Stanhope, salt, etc.	.55
103	J. B. F. Smith & Co., oil, etc.	7.50
104	Dring & Smith, lead & putty	3.30
105	J. D. Johnston, pattern, etc.	3.55
106	George H. Carr, time books, etc.	4.00
107	Simon Hart, office supplies	4.90
108	James P. Taylor, overalls	1.00
109	James S. Ramloss, rubber boots	3.65
110	H. L. DeBlois, street hose	18.00
111	Dennis Shanahan, forage	162.61
112	Henry Biesel & Son, stable supplies	2.75
113	Downing Brothers, linseed oil, etc.	1.00
114	W. F. Gratrix, harness repairs	.52
115	C. F. D. Fayerweather, hoop, etc.	.50
116	Peter F. Clark & Co., shoeing	4.50
117	M. Kennedy, shoeing	4.00
118	Shreenan & Sullivan, shoeing	2.25
119	George W. Callahan, shoeing	3.25
120	George W. Ritchie, rep. harness	2.50
121	George A. Weaver Company, shovels, pails, etc.	16.10
122	John M. Friend, cement	26.35
123	M. F. Shea, cart repairs	59.00
124	F. E. Pitts Mfg. & Supply Co., lace, etc.	30.90
125	Newport Foundry & Machine Corp., babbitt, etc.	33.59
126	W. B. Scott & Co., rakes, etc.	4.00
127	Richard F. Walsh, cart repairs	4.90
128	City Treasurer, stamped envelopes	10.92

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129	S. T. H. Allman, office supplies	2.00
130	Express, freight & Stamps	5.44
131	N. Y., N. H. & H. R R Co., freight	.29
132	McKiernan Drill Co., steam chest complete	15.04
133	Walsh Brothers, linoleum	90.75
134	Old Colony Street Railway Co., cinders	12.50
135	Daniel Beard, shoeing	4.50
	Pay rolls	2950.25
		$10853.39

April.

136	John M. Friend, cement	15.50
137	Providence Telephone Co., telephone rent	22.00
138	Dr. F. deM. Bertram, vet. services	4.00
139	George A. Weaver Co., shovel, fork, etc.	4.55
140	Wm. K. Covell, pipe, oil cans, etc.	4.11
141	McKiernan Drill Co., feed nut	3.00
142	S. T. H. Allman, offices supplies	3.50
143	James H. Hart, spouts for watering carts	6.00
144	J. J. Connell, kerosene	15.00
145	J. L. & H. K. Potter rubber hose	25.20
146	Remington Ward, printing	7.00
147	James J. Dugan, garbage	405.65
148	George T. King, labor at dump	52.00
149	Cornelius Harrington, labor at dump	52.00
150	City Sealer adjusting scales at crusher	3.00
151	The Fairbanks Co. splices lever & hinges for scale	33.50
152	A. & J. G. Hammond, lumber	33.36
153	Alex J. Fludde, pipe	60.80
154	F. S. Peckham, fuel	259.53
155	Ralph R. Barker, oil, etc.	3.18
156	S. W. Cunningham, oiler screws, etc.	2.17
157	Henning Brothers, sulphur	.25
158	W. H. Soule & Co., brooms, shovels, etc.	104.75
159	The Peckham Co., oils	53.52
160	Alex N. Barker & Co., lumber	2.34
161	J. M. K. Southwick, dynamite, etc.	64.46
162	Welsh Brothers, benzite, etc.	22.00
163	Doing & Smith, oil	2.10
164	Newport Foundry & Machine Corp., rep. boiler at crusher	9.65
165	John E. Todd, shoeing	4.00
166	Sherman & Sullivan, shoeing	4.50
167	George T. Chilcott, shoeing	6.50
168	A. Kennedy, shoeing	4.50
169	John E. Todd & Co., shoeing	4.50
170	Jacob Shanahan, forging	174.75
171	J. J. Stevens, forging	62.30
172	[illegible] supplies	7.70
173	[illegible] supplies	24.20
174	[illegible] repairs, etc.	3.05
175	[illegible] supplies	4.74
176	[illegible]	42.65
177	[illegible] shoeing	4.50
178	[illegible] supplies	2.00

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179	R. B. Wilson Jr., rep. Broadway fountain	20.38
180	F. E. Fitts Mfg. & Supply Co., belt dressing & grease	20.10
181	Clinton Point Stone Co., stone	1172.50
182	Daniel Sullivan, discharging stone	180.90
183	John F. Sullivan, cartage crushed stone	274.30
184	J. Stacy Brown, stone	68.38
185	Express	6.20
	Pay rolls	5256.87
		$19402.99

May.

186	James J. Dugan, gravel	116.33
187	George F. Blake Mfg. Co., valves, etc.	5.14
188	Newport Water Works, faucet	1.60
189	Newport Paper and Grocery Co., toilet	.84
190	Perrin, Seamans and Co., tar kettle	130.00
191	Providence Telephone Co., toll call	1.15
192	A. & H. G. Hammett, lumber and screws	6.76
193	Boston & Lockport Block Co., supplies for pump	4.55
194	Old Colony Street Railway Co., cinders	2.50
195	Clinton Point Stone Co., stone	879.55
196	Daniel Sullivan, discharging stone	135.70
197	James J. Dugan, garbage	405.65
198	George T. King, labor at dump	52.00
199	Cornelius Harrington, labor at dump	52.00
200	Robeson Process Co., glutrin	72.32
201	Wm. K. Covell, watering pot, etc.	2.40
202	Boston and Lockport Block Co., supplies for pump	.95
203	Harold L. Bond Co., jaw for bolt cutter	.82
204	Walworth Manufacturing Co., pipe die	.57
205	John J. Connell, kerosene	22.50
206	E. S. Peckham, fuel	245.93
207	Charles S. Goddard, cart repairs, etc.	11.40
208	Phineas Clark, repairing carts	16.75
209	Wm. B. Scott & Co., padlock, etc.	.50
210	Alex. J. Fludder, pipe	58.96
211	J. M. K. Southwick, dynamite, etc.	37.30
212	John M. Friend, cement	27.90
213	Jacob Mohr, sharpening tools	2.25
214	C. F. D. Fayerweather, sharpening tools, etc.	2.00
215	S. W. Coggeshall, hammer, etc.	.85
216	George A. Weaver Co., scoop, etc.	1.75
217	The Peckham Co., oil	7.68
218	Est. M. Brotherson, sharpening tools	2.25
219	Downing Brothers, sulphur	1.00
220	Ralph R. Barker, paint	2.55
221	D. E. Sullivan, pails, etc.	2.40
222	Newport Foundry & Machine Corp., packing, etc.	3.51
223	George Stanhope, borax	.30
224	Dennis Shanahan, forage	32.55
225	J. G. Stevens, forage	120.55
226	M. Kennedy, shoeing	7.50
227	George W. Callahan, shoeing	4.26
228	P. F. Clark & Co., shoeing	4.50
229	John E. Leddy, shoeing	4.75

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230	Daniel Beard, shoeing	4.50
231	Shreenan & Sullivan, shoeing	4.50
232	O. R. Braman, stable supplies	7.90
233	W. F. Gratrix, repairing harness	.50
234	Dudley P. Bacheller, watering cart repairs	10.85
235	Buffalo Steam Roller Co., oil cups, etc.	10.50
236	Alex. N. Barker & Co., bricks	4.00
237	McKiernan Drill Co., bushing	2.18
238	Express, etc.	15.87
239	John F. Sullivan, cartage crushed stone	467.34
240	J. Stacy Brown, stone	96.01
	Pay Rolls	6996.53
		$29,516.39

June.

241	John S. Lamson, Jr., dustoline	$595.81
242	The Congdon & Carpenter Co., spelter	5.33
243	F. E. Fitts Mfg. & Supply Co., waste	43.65
244	A. & H. G. Hammett, lumber	21.22
245	James H. Hart, repairing pump	2.00
246	J. D. Johnston, lumber	1.02
247	Richard F. Walsh, rep, carts	6.25
248	Newport Gas Light Co., gas	.11
249	N. Y., N. H. & H. R. R. Co., freights	97.05
250	James J. Dugan, garbage	405.65
251	George T. King, labor at dump	52.00
252	Cornelius Harrington, labor at dump	52.00
253	George A. Weaver Co., scythes, mower, etc.	11.94
254	Buffalo Steam Roller Co., solid oil	10.50
255	N. Y., N. H. & H. R. R. Co., freights	97.51
256	American Brake Shoe & Foundry Co., segments, etc.	71.20
257	William B. Scott & Co, curb line, etc.	3.77
258	Dudley P. Bacheller, shaft, etc.	2.45
259	Daniel Beard, shoeing	4.50
260	James J. Dugan, gravel	78.47
261	Newport Foundry & Machine Corp., babbitt, etc.	8.44
262	J. J. Connell, kerosene	22.50
263	A. R. O'Hanley, oatmeal	1.60
264	D. E. Sullivan, pail	.50
265	James H. Hart, dippers	2.00
266	M. Kennedy, shoeing	7.50
267	George W. Callahan, shoeing	7.20
268	H. H. Lawton, harness repairs, etc.	14.00
269	J. G. Stevens, forage	221.95
270	H. Biesel & Son, pads	.85
271	Peter F. Clark & Co., shoeing	4.50
272	Shreenan & Sullivan, shoeing	7.59
273	E. S. Peckham, fuel	327.69
274	S. W. Coggeshall, poultry netting, etc.	19.07
275	Charles S. Goddard, sharpening tools, etc.	11.65
276	Est. M. Brotherson, filing saws	.50
277	Newport Water Works, erecting standpipe	17.73
278	The Peckham Co., oils	44.48
279	John M. Friend, cement	46.50
280	Downing Brothers, carron oil, etc.	1.50

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281	Barker Brothers & Co., pipe	2.70
282	J. M. K. Southwick, dynamite, etc.	67.00
283	Jacob Mohr, sharpening tools	1.58
284	F. E. Fitts Mfg. & Supply Co., rainbow packing, etc.	18.27
285	M. F. Shea, grating for fountain, etc.	56.39
286	John F. Sullivan, cartage crushed stone	732.95
287	J. Stacy Brown, stone	154.01
288	Freights, etc.	1.20
289	John S. Lamson, Jr., dustoline	586.74
	Pay Rolls	9774.77
		$43,244.18

July.

290	A. & H. G. Hammett, lumber, etc.	25.04
291	New England Navigation Co.,, steel, etc	60.37
292	Providence Telephone Co., telephone rent, etc.	23.90
293	N. Y., N. H. & H. R R. Co., demurrage	7.00
294	Sampson & Murdock Co., directory	2.00
295	Remington Typewriter Co., adjusting typewriter	.75
296	George H. Carr, office supplies	2.18
297	Newport Paper & Grocery Co., oatmeal, etc.	4.84
298	S. T. H. Allman, office supplies	1.95
299	F. E. Fitts Mfg. & Supply Co., belt dressing	15.00
300	Clinton Point Stone Co., stone	684.08
301	James J. Dugan, garbage	405.65
302	George T. King, labor at dump	54.00
303	Cornelius Harrington, labor at dump	54.00
304	R. B. Wilson, Jr., rubber el	.75
305	George A. Weaver Co., feeders, etc.	4.00
306	Stephen L Goddard, rep. fountain	8.41
307	Harry L. DeBlois, hoes	12.00
308	Daniel Sullivan, discharging stone	105.54
309	J. J. Connell, kerosene	30.00
310	J. D. Johnston, turning	.40
311	Est. M. Brotherson, rep. plumbrule, etc.	.75
312	Charles S. Goddard, rep. carts, etc.	6.95
313	A. R. O'Hanley, oatmeal	2.00
314	George W. Callahan, shoeing	7.51
315	John E. Leddy, shoeing	9.75
316	Peter F. Clark & Co., shoeing	4.50
317	M. Kennedy, shoeing	5.35
318	Daniel Beard, shoeing	7.25
319	Shreenan & Sullivan, shoeing	4.50
320	J. G. Stevens, forage	196.68
321	H. Biesel & Son, stable supplies	6.15
322	E. S. Peckham, fuel	257.56
323	S. W. Coggeshall, shovels, etc.	20.41
324	M. F. Shea, rep. carts	43.95
325	Wm. B. Scott & Co., hose, etc.	12.00
326	Newport Foundry and Machine Corp., packing, etc.	5.83
327	John M. Friend, cement and pipe	17.30
328	Dudley P. Bacheller, rep. watering cart	2.00
329	Wm. A. Maher, rep. watering cart	4.00
330	C. F. D. Fayerweather, sharpening tools, etc.	2.40
331	The Peckham Co., oils	20.59

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332	J. M. K. Southwick, dynamite, etc.	47.50
333	Jas. H. Hart, rep. pipe, etc.	1.00
334	James P. Taylor, oil jacket	1.00
335	George H. Carr, office supplies	4.50
336	Simon Hart, office supplies	3.25
337	Wm. K. Covell, brush, etc.	.40
338	Cornelius Harrington, labor at dump	11.00
339	John F. Sullivan, cartage crushed stone	562.62
340	J. Stacy Brown, stone	130.56
341	James J. Dugan, gravel	57.20
342	John O. Kettell, pair horses	650.00
343	Union Stamp Works, stamp pads and ink	.80
344	Ward Printing Co., printing	10.00
345	Alex. J. Fludder, pipe	.80
346	Wm. H. Cotton Pharmacy, konkine	.75
	Pay Rolls	8581.46
		$55,446.31

August.

347	John S. Lamson, Jr., dustoline	577.71
348	J. L. & H. K. Potter, attachments for watering carts	54.74
349	A. & H. G. Hammett, lumber, etc	20.75
350	Newport Foundry and Machine Corp., washers, etc.	1.65
351	Newport Paper & Grocery Co., oatmeal	4.00
352	James Openshaw Co., pipe	2.50
353	New England Navigation Co., smoke-stack	11.25
354	N. Y., N. H. & H. R. R. Co., freight and demurrage	61.27
355	George A Weaver Co., oil can, etc.	.98
356	Dr. C. Horseman, vet. services	2.00
357	Daniel Beard, shoeing	3.50
358	J. J. Connell, kerosene	7.50
359	James J. Dugan, garbage	405.65
360	George T. King, labor at dump	52.00
361	Cornelius Harrington, labor at dump	61.00
362	Wm. B. Scott & Co., brooms, etc.	88.50
363	Wm. F. Gratrix, rep. harness	11.00
364	Wm. H. Cotton Pharmacy, konkine	.75
366	Wm. K. Covell, oil can	.65
365	George H. Carr, time books	3.00
367	Dudley P. Bacheller, rep. wagon	17.79
368	Express	4.30
369	E. S. Peckham, fuel	269.99
370	John E Leddy, shoeing	4.50
371	P. F. Clark & Co., shoeing	4.50
372	Shreenan & Sullivan, shoeing	4.50
373	M. Kennedy, shoeing	5.00
374	J. G. Stevens, forage	213.25
375	O. R. Braman, stable supplies	22.60
376	J. M. K. Southwick, dynamite, etc.	61.06
377	A. R. O'Hanley, oatmeal	2.40
378	The Peckham Co., oils	37.80
379	Charles S. Goddard, sharpening tools	6.65
380	George W. Callahan, shoeing	8.82
381	John M. Friend, cement, etc.	18.70
382	Harry L. DeBlois, hoes	12.00

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383	James J. Dugan, gravel	74.38
384	John F. Sullivan, cartage crushed stone	362.41
385	J. Stacy Brown, stone	93.60
386	S. W. Coggeshall, scoop, etc.	5.50
387	D. E. Sullivan, pail, etc.	.35
388	M. F. Shea, rep. watering cart, etc.	56.70
389	Wm. P. Clarke, ink, etc.	1.00
390	Buffalo Steam Roller Co., grease, etc.	13.50
	Pay Rolls	10,549.01
		$68,667.02

September.

391	Barrett Mfg. Co., tarvia	$1429.70
392	Newport Paper & Grocery Co., toilet	.84
393	Newport Foundry & Machine Corp., making bolts, etc.	11.61
394	Old Colony Street Railway Co., cinders	1.25
395	J. L. & H. K. Potter, gears	4.48
396	F. E. Fitts Mfg. & Supply Co., belt dressing	15.00
397	Ward Printing Co., printing	.75
398	McKiernan Drill Co., bolts	4.80
399	N. Y., N. H. & H. R. R. Co., freight	45.37
400	George W. Ritchie, stable supplies	14.00
401	James J. Dugan, garbage	405.65
402	George T. King, labor at dump	52.00
403	Cornelius Harrington, labor at dump	52.00
404	The H. L. Marsh Co., forage	196.95
405	George H. Carr, letter book	1.50
406	George W. Callahan, shoeing	6.50
407	Daniel Beard, shoeing	3.50
408	Shreenan & Sullivan, shoeing	4.50
409	P. F. Clark & Co., shoeing	5.25
410	John E. Leddy, shoeing	4.50
411	M. Kennedy, shoeing	5.00
412	E. S. Peckham, fuel	240.78
413	J. M. K. Southwick, dynamite, etc.	43.50
414	S. W. Coggeshall, screws, etc.	1.42
415	Simon Hart, office supplies	1.50
416	The Peckham Co.	8.16
417	A. R. O'Hanley, oatmeal	2.40
418	J. D. Johnston, lumber	.45
419	Est. M. Brotherson, filing saws	2.25
420	Dudley P. Bacheller, rep. tip cart, etc.	44.15
421	Charles S. Goddard, sharpening tools, etc.	2.80
422	C. F. D. Fayerweather, sharpening tools, etc.	2.25
423	A. & H. G. Hammett, lumber	11.71
424	John M. Friend, cement	15.50
425	J. J. Dugan, gravel	77.62
426	John F. Sullivan, cartage crushed stone	466.83
427	J. Stacy Brown, stone	111.16
428	J. J. Connell, kerosene	15.00
429	M. F. Shea, rep. carts, etc.	11.80
430	J. R. Chase, tire	10.50
	Pay Rolls	7635.13
		$79,637.13

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October.

431	John F. Keeley, horse hire	22.00
432	George A. Weaver Co., lampblack, etc.	1.90
433	S. T. H Allman, envelopes	5.00
434	Newport Gas Light Co., pipe	11.00
435	James H. Hart, rep. pump	1.00
436	J. J. Connell, kerosene	15.00
437	Newport Foundry & Machine Co., gauge glasses	.50
438	James J. Dugan, garbage	405.65
439	George T. King, labor at dump	52.00
440	Cornelius Harrington, labor at dump	52.00
441	Daniel Beard, shoeing	7 13
442	P. F. Clark & Co., shoeing	4.50
443	Shreenan & Sullivan, shoeing	4.75
444	George W. Callahan, shoeing	7.21
445	M. Kennedy, shoeing	2 50
446	E. S. Peckham, fuel	190.07
447	J. M. K. Southwick, dynamite, etc.	10.15
448	S. W. Coggeshall, shovels, etc.	12.21
449	The Peckham Co, oils, etc.	46.00
450	The H. L. Marsh Co., forage	182.60
451	R. R. Barker, graphite, oil, etc.	9.75
452	J D. Johnston, lumber	1.32
453	John M. Friend, cement, etc.	56.43
454	Alex. J. Fludder, pipe	1.20
455	J. R. Chase, tire	10.50
456	A. & H. G. Hammett, lumber	16.50
457	John Gillies, tar kettle hire	25.00
458	Jas. Corrigan, cutting down tree	35.00
459	H. H. Lawton, stable supplies	8.60
460	Wm. H. Cotton Pharmacy, iodine	.20
461	Express and stamps	9.10
462	John E Leddy, shoeing	4.50
463	Wm. B. Scott & Co., brooms, etc.	37.10
464	John F. Sullivan, cartage crushed stone	408.58
465	J. Stacy Brown, stone	89.96
466	James J. Dugan, gravel	29.81
467	J. K. Sullivan, gasoline and use of lighter	173.55
468	Barrett Mfg. Co., tarvia	179 45
	Pay Rolls	6722.82
		$88,489.67

November.

469	Remington Ward, paper	3.50
470	George A. Weaver Co., globes, etc	2.40
471	Thomas G. Owen, auto supplies and repairs	352.14
472	Barrett Mfg. Co., freight on empty barrels	12.05
473	Max David, pipe, etc.	5.50
474	James P. Taylor, oil suits	12.00
475	Newport Foundry and Machine Corp., gaskets, etc.	1.58
476	George G. Popple, rubber boots	18.00
477	Robert S Gash, rubber boots	18.00
478	Wm. K. Covell, watering pot	1.00
479	Providence Telephone Co., telephone rent	22.00
480	Newport Paper & Grocery Co., toilet	.84

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481	A. R. O'Hanley, oatmeal	1.20
482	Dudley P. Bacheller, rep. carts	2.25
483	Stephen L. Goddard, rep. fountain	23.58
484	James J. Dugan, garbage	405.65
485	Cornelius Harrington, labor at dump	52.00
486	George T. King, labor at dump	52.00
487	John F. Sullivan, cartage crusher stone	61.26
488	J. Stacy Brown, stone	11.76
489	Joseph P. Cotton, crushed stone	26.57
490	George H. Carr, office supplies	4.05
491	Alex. J. Fludder, pipe	2.80
492	Charles A. Manchester, oatmeal, etc.	1.20
493	Wm. B. Scott & Co., broom	.50
494	The H. L. Marsh Co., forage	190.74
495	J. K. Sullivan, towing scow	50.00
496	Pinniger & Manchester, barge hire	40.00
497	Jas S. Ramlose, rubber boots	18.00
498	J. M. K. Southwick, rope, etc.	23.75
499	Barker Bros. & Co., valve, etc.	1.79
500	S. W. Coggeshall, scoops, nails, etc.	6.40
501	A. & H. G. Hammett, lumber	29.71
502	E. S. Peckham, fuel	24.10
503	N. Y., N. H. & H. R. R. Co., cinders	46.00
504	John M. Friend, cement	7.75
505	C. E. Clarke, filing saws	2.00
506	Simon Hart, scale book	1.00
507	Henry Biesel & Son, stable supplies	9.10
508	Wm. H. Cotton Pharmacy, Pond's Extract	.90
509	Wm. F. Gratrix, rep. cushions, etc.	1.85
510	M. Kennedy, shoeing	5.00
511	P. F. Clark & Co., shoeing	4.50
512	Shreenan & Sullivan, shoeing	2.25
513	George W. Callahan, shoeing	4.75
514	Daniel Beard, shoeing	4.50
515	M. F. Shea, rep. carts	6.75
516	E. S. Peckham, weighing gravel and crushed stone	18.40
517	James J. Dugan, gravel	13.89
518	S. T. H. Allman, office supplies	1.60
519	J. Burdick, gasoline for motor cycle	14.70
520	S. B. Gladding, gasoline for motor cycle	13.50
521	Newport Water Works, plugs	.20
	Pay Rolls	5346.16
		$95,472.79

December.

522	Remington Ward, blank books	$27.00
523	James J. Dugan, garbage	661.85
524	George T. King, labor at dump	54.00
525	Cornelius Harrington, labor at dump	54.00
526	Newport Gas Light Company, gas	.11
527	H. L. Marsh & Company, forage	90.63
528	Shreenan & Sullivan, shoeing	4.50
529	John R. Leddy, shoeing	4.50
530	George W. Callahan, shoeing	4.75
531	P. F. Clark & Company, shoeing	.50

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532	O. R. Braman, bit, etc.	3.45
533	H. H. Lawton, whip	.75
534	George A. Weaver Company, forks	2.00
535	Ralph R. Barker, oil, etc.	12.10
536	Edward S. Peckham, fuel	13.60
537	George H. Stanhope, soap	4.15
538	Alex. J. Fludder, pipe	1.80
539	A. & H. G. Hammett, lumber	26.69
540	John M. Friend, cement	7.75
541	Wm. B. Scott & Company, oak pails	1.70
542	The Peckham Company, princess metallic	.75
543	James J. Dugan, gravel	20.90
544	Robert A. Smith, concrete on sidewalk	11.20
545	S. W. Coggeshall, staples and rings	.39
546	Red Key Store, cylinder complete with key	3.00
547	Patrick J. Morgan, dirt	1.50
548	Charles S. Goddard, sharpening tools, etc.	3.15
	Pay Rolls	2075.75
		$98,565.26

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COMPARATIVE STATEMENT OF FUEL CONSUMED BY DEPARTMENT

	1907			1908			1909		
	Tons	Cds.	Cost	Tons	Cds.	Cost	Tons	Cds.	Cost
Cumberland lump coal @ 8.23	139–1000		1,139 88						
Cumberland lump coal @ 8.20				107– 600		879 94	–1000		4 10
Cumberland coal @ 5.25							142–1020		751 33
Egg coal @ 6.80	110– 320		749 09				104–		707 20
Egg coal @ 6.75				80–		540 00	2–		13 50
Stove coal @ 6.80	22– 945		159 92				17– 144		116 03
Stove coal @ 6.75				25–1400		172 78	10–		67 50
Wood @ 8.50		25⅞	220 02		21⅝	186 14			
Wood @ 10.75								1	10 75
Wood @ 9.25								28	259 34
Wood (4 cut)					2	17 23		¼	2 81
	272– 265	25⅞	$2,268 91	213–	23⅝	$1,796 09	275–1164	29¼	$1,932 56

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STREET AND HIGHWAY DEPARTMENT.

Eleven Horses.

Forage consumed at City Stable during the Municipal Year of 1900.

	Jan. lbs.	Feb. lbs.	Mar. lbs.	Apr. lbs.	May. lbs.	Jne. lbs.	July lbs.	Aug. lbs.	Sept. lbs.	Oct. lbs.	Nov. lbs.	Dec. lbs.	Total lbs.	Total bush.	Av. Cost	Total Cost
									10,226	7,600	8,096	5,068	98,245		22.03	1,082 01
Hay	12,336	8,150	8,836	8,400	4,470	9,344	6,890	8,829	3,160	4,737	4,759	1,576	50,436	1576–8	.63	993 12
Oats	6,466	3,206	3,200	4,820	3,384	5,056	5,120	4,952					740			7 40
Oat Straw						740			440	392	675	186	4,776		27.181	64 91
Rye Straw	609	498	372	589	200		415	400	300	300	300		2,722		.0151	41 02
Bran	500	300	300	322	100		100	200					124		.02	2 48
Salt	64		30	30									220		.0197	4 35
Oil Meal	100			120												
																$2,195 29

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Annual Report of the Street and Highway Department

City of Newport, Rhode Island
Municipal Year of 1910

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ANNUAL REPORT

OF THE

Street Commissioner

OF THE

CITY OF NEWPORT

RHODE ISLAND

1910

J. K. SULLIVAN,
Street Commissioner
F. M. SISSON,
Clerk

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Annual Report of the Street Commissioner

December 31, 1910.

To the Honorable Representative Council of the City of Newport :

Gentlemen :—I have the honor of submitting the following report of the operations of the Department of Streets and Highways for the municipal year of 1910.

STATISTICS

This office has carefully prepared and revised the following statistics from the records of the department, viz :

Streets.

	Mileage
Granite block pavement	1.69
Bitulithic and Granite block pavement	1.56
Telford macadam	15.35
Macadam	40.55
Tarvia-macadam	2.24
Tarvia	1.72
Cobble	.51
Dirt	27.05
Total	90.67

Sidewalks.

Granolithic	16.657
Granolithic & dirt	.705
Flagstone	2.598
Flagstone & cobble	.145
Flagstone & dirt	1.428
Brick	2.898
Asphalt	.644
Asphalt block	.485
Plank	.313
Dirt	88.334
Total	114.207

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Gutters.

Granite culls	16.55
Cobbles	36.44
Flagstone & cobble	.92
Total	53.91

Curb.

Bluestone	40.788
Granite	14.416
Granolithic	1.853
Total	57.057

Sewers.

Vitrified pipe	36.648
Cast iron pipe	.599
Circular brick	4.727
Brick	1.449
Stone	.516
Tunnel	.388
Cement pipe	.104
Total	44.431

City Wharf.

The Office building located on City Wharf has been raised to grade under contract with Mr. Thomas Preece, for the sum of one hundred dollars. New sills, piecing up studding, floor beams and other repairs that were necessary were performed under contract with Mr. Thomas Lucas for the sum of two hundred and fifty dollars. A new concrete foundation was also built under the office building, and alterations were made to the plumbing, water and gas piping; and the scales were overhauled and put in repair, all at an expense of $308.73. Repairs were made to the fences, stable and other buildings, including above contract, at an expense of $503.67; total expenditure, $812.40.

The appropriation of five hundred dollars, plus increase wage appropriation $4.67, was insufficient to cover the cost of the above repairs, so that we were obliged to draw upon the Emergency fund to the amount of $308.73.

I again respectfully call your attention to the City Stable which is very old and should be replaced with a new modern building of a sufficient capacity to meet the requirements of the department.

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Horses and Carts.

Although an appropriation of $750.00 was made this year for the purchase of horses, we were not obliged to spend the money. Next year I think it would be wise to purchase a new pair of horses for the Catch Basin cart; the present pair of horses, which belong to this cart, are about twenty years old, and their days of usefulness are about over.

Again this year the Chief of the Fire Department has kindly loaned a horse for his "keep," but he failed to keep up the pace and was sold at auction the latter part of the season, by the Fire Department.

The permanent employees of the department repair and re-paint the carts and gears during the winter months.

Removal of Snow and Ice.

During the past year there have been many heavy snow falls and the cost of cleaning and removal of this material was considerable more than last year.

The total cost this year being $3,363.95 is $2,559.41 in excess of last season.

This office has prepared the following table, which will give you the cost of the removal of snow for the past ten years, viz:

1901	$1,078 70
1902	2,967 17
1903	8,049 79
1904	1,860 55
1905	2,752 04
1906	620 42
1907	4,087 16
1908	1,680 76
1909	804 54
1910	3,363 95
Total	$27,265 08

This makes an average cost per year for the past ten years of $2,726.50. It is very difficult to estimate the cost of removing snow, as you can clearly see by referring to the above table. In 1903 the cost was over $8,000 and in 1906 a little more than $600.

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Removal of Snow.

		Department				Hired		
		Teams		Carts		Teams		Total
1909		Loads	Cu. Yds.	Loads	Cu. Yds.	Loads	Cu. Yds.	Cu. Yds.
Dec.	27	28	84	72	144			228
	28	37	111	86	172			283
	29	55	165	102	204			369
	31	1	3	34	68			71
1910								
Jan.	1	14	42	34	68			110
	6	15	45	24	48			93
	8	11	33	18	36			69
	12	21	63					63
	15	42	126	78	156			282
	16	82	246	136	272	228	684	1,202
	17	55	165	120	240	217	651	1,056
	18	47	141	120	240	259	777	1,158
	19	57	171	62	124			295
Feb.	15	15	45	15	30			75
	16	16	48	23	46			94
Dec.	7	55	165	84	168			333
	8	34	102	66	132			234
	9	28	84	56	112			196
	10	18	54	32	64			118
	12	19	57	61	122			179
	13	23	69	48	96			165
	14	28	84	57	114			198
	15	26	78	51	102			180
	17	1	3	3	6			9
		728	2,184	1,382	2,764	704	2,112	7,060

Street Cleaning.

The cleaning of streets, other than the permanent pavements, was commenced on April 4th, and continued until November 26th, when the work was shut down for the winter.

Two sections cover the most thickly inhabited part of the city and the other two cover mostly suburban districts. These last two gangs besides cleaning the streets, do mowing, weeding, etc. One section covers Bellevue avenue during the summer. The total number of loads of material removed this season was 7,660.

The permanent pavements are swept throughont the year except in very cold weather and when the pavements are covered with snow.

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This office has originated and adopted a new card index system for keeping tabulation upon the street cleaning so that we can find in an instant when and how often any street has been cleaned. A record is also kept on the cards as to the length and area of each street. The following is the total amount of street cleaning, and the cost of same.

Cleaning Streets—Season 1910.

Permanent Pavements	Miles	Sq. Yds.	Cost
Broadway & Washington Sq.....	255.1	8,547,905	$2,001 60
Long Wharf....	144.6	1,739,013	839 44
Spring Street.....	713.2	8,981,300	2,210 46
Thames Street.....	795.9	10,233,153	6,072 56
Totals	1,908.8	29,501,371	$11,124 06
All other streets.....	1,032.6	16,638,353	18,382 70
	2.941.4	46,139,724	$29,506 76

Collection and Disposal of City Garbage.

This is the fourth year that the garbage has been collected under contract with Mr. James J. Dugan.

As the present contract will expire on the first Monday in January, 1912, I would suggest that some action be taken by your Honorable Body, some time during next year, whereby this matter will be adjusted and disposed of, giving time for a new contractor to prepare himself, in case the present contractor is not the successful bidder, or in case he should decide not to bid.

I would recommend that the City purchase a full equipment, and that the collection of garbage be performed by this department. I am confident that the result would be more satisfactory.

Seventy-four (74) complaints have been made this year, which were adjusted by the contractor.

During the year the garbage has been delivered at Halsey street, Anthony's Ledge, Wellington Avenue and a lot between Simmons street and Wellington avenue. On December 21st, I authorized and directed the contractor to dump the garbage at Wellington Avenue Wall, which has just been built. Dumping accommodations are getting more scarce every year, especially in the lower part of the city, and it is only a question of time when some other method will have to be adopted to dispose of the city garbage.

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I would also recommend that Section 12 of Chapter 12 of the City Ordinances be amended so that the contractor will be obliged to collect all the ashes and other garbage from all City Buildings. The present ordinance only provides for the collection of five barrels of material from any one party, and as most of the schools and other public buildings make more ashes than the ordinance provides for, this department has for several years relieved the City Hall and some of the school buildings of their surplus garbage every week during the winter. Of course the ordinance could not be amended until after the expiration of the present contract, as the contract is drawn up to conform with the ordinances.

Cleaning Catch Basins.

During suitable weather, four men and carts are employed cleaning and flushing catch basins and eyeholes.

1,337 catch basins and 464 eyeholes were cleaned and 1,338 loads of dirt was removed during the past season at a total cost of $3,168.88.

This office has also originated and adopted a card index system on these catch basins and eyeholes, so that we can at a glance tell when and how often any one of them has been cleaned.

Catch Basins and Eyeholes.

	Catch Basins.	Eye-holes.	Total.
Total number last year,	448	144	592
Located during 1910,	6	84	90
Built during 1910 as follows,	4	4	8
	458	232	690

Cleaning Main Sewers.

During the year, weather permitting, four men are employed to flush and clean our sewerage system. We have now about 45 miles of sewers, and the total cost of cleaning same was $2,471.18, making an average cost of $54.91 per mile for the season.

This past year 95 sewer connections were inspected by this department.

Sewer Plats.

I respectfully call your attention to the condition of the sewer plats. Most of the plats are of common brown drawing paper and are

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wearing out very fast with age and the constant handling they receive.

These plats are very valuable records and should be preserved. I therefore recommend that those plats that are in fairly good condition be backed up with some kind of cloth; the others, which are in very poor condition, to be replaced. All sewer plats drafted for the past two years are of good linen paper and very durable.

Watering Streets.

Street watering commenced this year on April 21st and continued until October 24th, when we were requested by the Newport Water Works to shut down on account of the drought and very small water supply.

By more extensive use of Dustoline and other oils this past season, we were able to cut out the use of four carts, thereby reducing the cost of this class of dust laying

The total cost of watering this year was $9,708.39; or about $161.81 per mile watered during the season.

Although we cut off four of the carts, the past season has been so dry that the total watering days were only 245 less than last year. About sixty miles of streets are watered on an average of twice a day.

We take pleasure in submitting to your Honorable Body the following statistics of Street Watering, viz :

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STREET WATERING.

Single Cart No. 10. Capacity 350 Gals.

Loads per day—Fresh, 50; Salt, None. Gallons used per day—Fresh, 17,500; Salt, None.

1910.	Days Wat'd	Totals. Gallons of Water Used. Fresh	Salt	Total	Mileage of Streets Watered. Fresh	Salt	Total	Area of Streets Watered. Fresh	Salt	Total
April	5	87,500	.....	87,500	42.65	.....	42.65	596,460	.....	596,460
May	12-4	218,750	.....	218,750	106.63	.....	106.63	1,491,150	.....	1,491,150
June	16-6	293,125	.....	293,125	142.88	.....	142.88	1,998,141	.....	1,998,141
July	23-1	404,688	.....	404,688	173.44	.....	173.44	2,447,365	.....	2,447,365
Aug.	20	350,000	.....	350,000	150.00	.....	150.00	2,116,640	.....	2,116,640
Sept.	17-4	306,250	.....	306,250	131.25	.....	131.25	1,852,060	.....	1,852,060
Oct.	7	122,500	.....	122,500	52.50	.....	52.50	740,824	.....	740,824
	101-7	1,782,813	.....	1,782,813	799.35	.....	799.35	11,242,640	.....	11,242,640

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STREET WATERING.

Single Cart No. 14. Capacity 350 Gals.

Loads per day—Fresh, 45; Salt, None. Gallons used per day—Fresh, 15,750; Salt, None.

		Totals. Gallons of Water Used.			Mileage of Streets Watered.			Area of Streets Watered.		
1910.	Days Wat'd	Fresh	Salt	Total	Fresh	Salt	Total	Fresh	Salt	Total
May	4	63,000	.....	63,000	36.44	.....	36.44	436,952	.....	436,952
June	16-6	263,813	.....	263,813	148.04	.....	148.04	1,829,737	.....	1,829,737
July	23-1	364,219	.....	364,219	165.11	.....	165.11	1,918,450	.....	1,918,450
Aug.	20	315,000	.....	315,000	142.80	.....	142.80	1,659,200	.....	1,659,200
Sept.	17-4	275,625	.....	275,625	124.95	.....	124.95	1,451,800	.....	1,451,800
Oct.	7	110,250	.....	110,250	49.98	.....	49.98	580,720	.....	580,720
	88-3	1,391,907	.....	1,391,907	667.32	.....	667.32	7,876,859	.....	7,876,859

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STREET WATERING.

Single Cart No. 15. Capacity 350 Gals.

Loads per day—Fresh, 45; Salt, None. Gallons used per day—Fresh, 15,750; Salt, None.

		Totals. Gallons of Water Used.			Mileage of Streets Watered.			Area of Streets Watered.		
1910.	Days Wat'd	Fresh	Salt	Total	Fresh	Salt	Total	Fresh	Salt	Total
April	5	78,750	.....	78,750	52.00	.....	52.00	691,270	.....	691,270
May	13	204,750	.....	204,750	135.20	.....	135.20	1,797,302	.....	1,797,302
June	16-6	263,813	.....	263,813	174.20	.....	174.20	2,315,755	.....	2,315,755
July	24-1	379,969	.....	379,969	176.84	.....	176.84	2,416,987	.....	2,416,987
Aug.	24	378,000	.....	378,000	175.92	.....	175.92	2,404,464	.....	2,404,464
Sept.	21-4	338,625	.....	338,625	157.60	.....	157.60	2,153,999	.....	2,153,999
Oct.	8	126,000	.....	126,000	58.64	.....	58.64	801,488	.....	801,488
	112-3	1,769,907	.....	1,769,907	930.40	.....	930.40	12,581,265	.....	12,581,265

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STREET WATERING.

Single Cart No. 16. Capacity 350 Gals.

Loads per day—Fresh, 41; Salt, None. Gallons used per day—Fresh, 14,350; Salt, None.

		Totals. Gallons of Water Used.			Mileage of Streets Watered.			Area of Streets Watered.		
1910.	Days Wat'd	Fresh	Salt	Total	Fresh	Salt	Total	Fresh	Salt	Total
April	5	71,750	.....	71,750	40.70	.....	40.70	739,650	.....	739,650
May	14	200,900	.....	200,900	113.96	.....	113.96	2,071,020	.....	2,071,020
June	17-6	254,713	.....	254,713	104.37	.....	104.37	1,470,375	.....	1,470,375
July	27-1	389,244	.....	389,244	159.50	.....	159.50	2,246,981	.....	2,246,981
Aug.	25	358,750	.....	358,750	147.00	.....	147.00	2,070,950	.....	2,070,950
Sept.	23	330,050	.....	330,050	135.24	.....	135.24	1,905,274	.....	1,905,274
Oct.	8	114,800	.....	114,800	47.04	.....	47.04	662,704	.....	662,704
	119-7	1,720,207	.....	1,720,207	747.81	.....	747.81	11,166,954	.....	11,166,954

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STREET WATERING.

Single Cart No. 22. Capacity 300 Gals.

Loads per day—Fresh, 42; Salt, None. Gallons used per day—Fresh, 12,600; Salt, None.

1910.	Days Wat'd	Totals. Gallons of Water Used. Fresh	Salt	Total	Mileage of Streets Watered. Fresh	Salt	Total	Area of Streets Watered. Fresh	Salt	Total
April	5	63,000	.....	63,000	36.40	.....	36.40	435,030	.....	435,030
May	13-4	170,100	.....	170,100	98.28	.....	98.28	1,174,581	.....	1,174,581
June	17	214,200	.....	214,200	123.76	.....	123.76	1,479,102	.....	1,479,102
July	23	289,800	.....	289,800	167.44	.....	167.44	2,001,138	.....	2,001,138
Aug.	20	252,000	.....	252,200	145.60	.....	145.60	1,740,120	.....	1,740,120
Sept.	17-4	220,500	.....	220,500	127.40	.....	127.40	1,522,605	.....	1,522,605
Oct.	7	88,200	.....	88,200	50.96	.....	50.96	609,042	.....	609,042
	103	1,297,800	.....	1,297,800	749.84	.....	749.84	8,961,618	.....	8,961,618

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STREET WATERING.

Single Cart No. 23. Capacity 300 Gals.

Loads per day—Fresh, 38; Salt, None. Gallons used per day—Fresh, 11,400; Salt, None.

		Totals. Gallons of Water Used.			Mileage of Streets Watered.			Area of Streets Watered.		
1910.	Days Wt'd	Fresh	Salt	Total	Fresh	Salt	Total	Fresh	Salt	Total
April	5	57,000	.....	57,000	39.60	.....	39.60	451,500	.....	451,500
May	13-4	153,900	.....	153,900	104.22	.....	104.22	1,219,050	.....	1,219,050
June	17	193,800	.....	193,800	131.24	.....	131.24	1,535,100	.....	1,535,100
July	23-1	263,625	.....	263,625	169.51	.....	169.51	1,960,861	.....	1,960,861
Aug.	20	228,000	.....	228,000	146.60	.....	146.60	1,695,880	.....	1,695,880
Sept.	21-4	245,100	.....	245,100	157.60	.....	157.60	1,823,071	.....	1,823,071
Oct.	8	91,200	.....	91,200	58.64	.....	58.64	678,352	.....	678,352
	108-1	1,232,625	.....	1,232,625	807.41	.....	807.41	9,363,814	.....	9,363,814

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STREET WATERING.

Double Cart No. 25. Capacity 600 Gals.

Loads per day—Fresh, 50; Salt, None. Gallons used per day—Fresh, 30,000; Salt, None.

		Totals. Gallons of Water Used.			Mileage of Streets Watered.			Area of Streets Watered.		
1910.	Days Wt'd	Fresh	Salt	Total	Fresh	Salt	Total	Fresh	Salt	Total
April	5	150,000	.....	150,000	140.15	.....	140.15	2,422,540	.....	2,422,540
May	13	390,000	.....	390,000	364.39	.....	364.39	6,298,604	.....	6,298,604
June	16-6	502,500	.....	502,500	212.39	.....	212.39	3,203,304	.....	3,203,304
July	23-1	693,750	.....	693,750	293.23	.....	293.23	4,422,471	.....	4,422,471
Aug.	20	600,000	.....	600,000	253.60	.....	253.60	3,824,840	.....	3,824,840
Sept.	17-4	525,000	.....	525,000	221.90	.....	221.90	3,346,735	.....	3,346,735
Oct.	7	210,000	.....	210,000	88.76	.....	88.76	1,338,694	.....	1,338,694
	102-3	3,071,250	.....	3,071,250	1,574.42	.....	1,574.42	24,857,188	.....	24,857,188

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STREET WATERING.

Double Cart No. 27. Capacity 600 Gals.

Loads per day—Fresh, 40; Salt, None. Gallons used per day—Fresh, 24,000; Salt, None.

		Totals. Gallons of Water Used.			Mileage of Streets Watered.			Area of Streets Watered.		
1910.	Days Wt'd	Fresh	Salt	Total	Fresh	Salt	Total	Fresh	Salt	Total
April	13-4	324,000	.....	324,000	154.71	.....	154.71	2,221,938	.....	2,221,938
May	16	384,000	.....	384,000	183.36	.....	183.36	2,633,408	.....	2,633,408
June	18-6	450,000	.....	450,000	214.88	.....	214.88	3,086,025	.....	3,086,025
July	27-1	651,000	.....	651,000	212.93	.....	212.93	3,233,734	.....	3,233,734
Aug.	25	600,000	.....	600,000	196.25	.....	196.25	2,980,400	.....	2,980,400
Sept.	23-6	570,000	.....	570,000	186.44	.....	186.44	2,831,380	.....	2,831,380
Oct.	10-2	246,000	.....	246,000	80.46	.....	80.46	1,221,964	.....	1,221,964
	134-3	3,225,000	.....	3,225,000	1,229.03	.....	1,229.03	18,208,849	.....	18,208,849

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STREET WATERING.

Double Cart No. 28. Capacity 600 gals.

Loads per day—Fresh, 30, Salt 4. Gallons used per day—Fresh 18,000; Salt, 2,400.

		Totals. Gallons of Water Used.			Mileage Streets Watered.			Area of Streets Watered.		
1910.	Days Wat'd	Fresh	Salt	Total	Fresh	Salt	Total	Fresh	Salt	Total
May	10-4	189,000	25,200	214,200	69.20	7.14	76.34	1,399,461	249,900	1,649,361
June	17-4	315,000	42,000	357,000	80.15	11.90	92.05	1,480,570	416,500	1,897,070
July	22-7	411,750	54,900	466,650	104.77	15.56	120.33	1,935,317	544,425	2,479,742
Aug.	20-3	366,750	48,900	415,650	93.32	13.85	107.17	1,723,807	484,925	2,208,732
Sept.	12-2	220,500	29,400	249,900	56.11	8.33	64.44	1,036,399	291,550	1,327,949
Oct.	6-6	121,500	16,200	137,700	30.92	4.59	35.51	571,077	160,650	731,727
Nov.	2-4	45,000	6,000	51,000	11.45	1.70	13.15	211,510	59,500	271,010
	92-6	1,669,500	222,600	1,892,100	445.92	63.07	508.99	8,358,141	2,207,450	10,565,591

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STREET WATERING.

Double Cart No. 29. Capacity 600 Gals.

Loads per day—Fresh, 36; Salt, None. Gallons used per day—Fresh, 21,600; Salt, None.

1910.	Days Wt'd	Totals. Gallons of Water Used. Fresh	Salt	Total	Mileage of Streets Watered. Fresh	Salt	Total	Area of Streets Watered. Fresh	Salt	Total
April	7	151,200	.....	151,200	67.90	.....	67.90	1,094,842	.....	1,094,842
May	13	280,800	.....	280,800	126.10	.....	126.10	2,033,278	.....	2,033,278
June	16-6	361,800	.....	361,800	162.48	.....	162.48	2,619,801	.....	2,619,801
July	25-1	542,700	.....	542,700	189.95	.....	189.95	3,044,195	.....	3,044,195
Aug.	24	518,400	.....	518,400	181.44	.....	181.44	2,907,888	.....	2,907,888
Sept.	22-4	486,000	.....	486,000	170.10	.....	170.10	2,726,145	.....	2,726,145
Oct.	7	151,200	.....	151,200	52.92	.....	52.92	848,134	.....	848,134
	115-3	2,492,100	.....	2,492,100	950.89	.....	950.89	15,274,283	.....	15,274,283

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STREET WATERING.

Double Cart No. 30. Capacity 600 gals.

Loads per day—Fresh, 11, Salt 18. Gallons used per day—Fresh 6,600; Salt, 10,800.

		Totals. Gallons of Water Used.			Mileage of Streets Watered.			Area of Streets Watered.		
1910.	Days Wat'd	Fresh	Salt	Total	Fresh	Salt	Total	Fresh	Salt	Total
April	5	33,000	54,000	87,000	15.55	33.55	49.10	217,120	810,410	1,027,530
May	13	85,800	140,400	226,200	40.43	87.23	127.66	564,512	2,107,066	2,671,578
June	17	112,200	183,600	295,800	52.87	114.07	166.94	738,208	2,755,394	3,493,602
July	25-1	165,825	271,350	437,175	78.14	168.59	246.73	1,091,028	4,072,310	5,163,338
Aug.	24-2	160,050	261,900	421,950	75.42	162.72	238.14	1,053,032	3,930,489	4,983,521
Sept.	22	145,200	237,600	382,800	68.42	147.62	216.04	955,328	3,565,804	4,521,132
Oct.	7	46,200	75,600	121,800	21.77	46.97	68.74	303,968	1,134,574	1,438,542
	113-3	748,275	1,224,450	1,972,725	352.60	760.75	1,113.35	4,923,196	18,376,047	23,299,243

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STREET WATERING.

Double Cart No. 31. Capacity 600 Gals.

Loads per day—Fresh, None; Salt, 10. Gallons used per day Fresh, None; Salt, 6,000

1910.	Days Wat'd	Totals. Gallons of Water Used. Fresh	Salt	Total	Mileage of Streets Watered. Fresh	Salt	Total	Area of Streets Watered. Fresh	Salt	Total
April	7	.....	42,000	42,000	.....	32.76	32.76	.....	615,300	615,300
May	13	.....	78,000	78,000	.....	60.84	60.84	.....	1,142,700	1,142,700
June	17	.....	102,000	102,000	.....	79.56	79.56	.....	1,494,300	1,494,300
July	26	.....	156,000	156,000	.....	121.68	121.68	.....	2,285,400	2,285,400
Aug.	24-2	.....	145,500	145,500	.....	113.49	113.49	.....	2,131,575	2,131,575
Sept.	22-4	.....	135,000	135,000	.....	105.30	105.30	.....	1,977,750	1,977,750
Oct.	7	.....	42,000	42,000	.....	32.76	32.76	.....	615,300	615,300
	116-6	.....	700,500	700,500	.....	546.39	546.39	.....	10,262,325	10,262,325

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STREET WATERING.

Double Cart No. 32. Capacity 700 Gals.

Loads per day—Fresh, 35; Salt, None. Gallons used per day—Fresh, 24,500; Salt, None.

		Totals. Gallons of Water Used.			Mileage of Streets Watered.			Area of Streets Watered.		
1910.	Days Wt'd	Fresh	Salt	Total	Fresh	Salt	Total	Fresh	Salt	Total
April	5	122,500	.....	122,500	38.10	.....	38.10	551,810	.....	551,810
May	13	318,500	.....	318,500	99.06	.....	99.06	1,434,706	.....	1,434,706
June	16-6	410,375	.....	410,375	127.64	.....	127.64	1,848,564	.....	1,848,564
July	25-1	615,563	.....	615,563	191.45	.....	191.45	2,772,845	.....	2,772,845
Aug.	24	588,000	.....	588,000	182.88	.....	182.88	2,648,688	.....	2,648,688
Sept.	21-4	526,750	.....	526,750	163.83	.....	163.83	2,372,783	.....	2,372,783
Oct.	7	171,500	.....	171,500	53.34	.....	53.34	772,534	.....	772,534
	112-3	2,753,188	.....	2,753,188	856.30	.....	856.30	12,401,930	.....	12,401,930

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STREET WATERING.

Single Cart No. 37. Capacity 350 Gals.

Loads per day—Fresh, 34; Salt, 2. Gallons used per day—Fresh, 11,900; Salt, 700.

		Totals. Gallons of Water Used.			Mileage of Streets Watered.			Area of Streets Watered.		
1910.	Days Wat'd	Fresh	Salt	Total	Fresh	Salt	Total	Fresh	Salt	Total
April	7-1	84,788	4,987	89,775	69.04	1.57	70.61	836,119	16,259	852,378
May	12	142,800	8,400	151,200	116.28	2.64	118.92	1,408,200	27,384	1,435,584
June	17	202,300	11,900	214,200	164.73	3.74	168.47	1,994,950	38,794	2,033,744
July	22-7	272,213	16,012	288,225	158.30	5.03	163.33	2,684,381	52,201	2,736,582
Aug.	20-7	248,412	14,613	263,025	144.46	4.59	149.05	2,449,682	47,636	2,497,318
Sept.	16-4	196,350	11,550	207,900	114.18	3.63	117.81	1,345,641	37,653	1,383,294
Oct.	9-3	111,563	6,562	118,125	64.88	2.06	66.94	764,569	21,394	785,963
	105-6	1,258,426	74,024	1,332,450	831.87	23.26	855.13	11,483,542	241,321	11,724,863

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SUMMARY OF STREET WATERING.

Cart.	Days	Gallons of Water Used. Fresh	Salt	Total	Mileage of Streets Watered. Fresh	Salt	Total	Area of Streets Watered. Fresh	Salt	Total
No. 10	101-7	1,782,813	.....	1,782,813	799.35	.....	799.35	11,242,640	.....	11,242,640
No. 14	88-3	1,391,907	.....	1,391,907	667.32	.....	667.32	7,876,859	.....	7,876,859
No. 15	112-3	1,769,907	.....	1,769,907	930.40	.....	930.40	12,581,265	.....	12,581,265
No. 16	119-7	1,720,207	.....	1,720,207	747.81	.....	747.81	11,166,954	.....	11,166,954
No. 22	103-	1,297,800	.....	1,297,800	749.84	.....	749.84	8,961,618	.....	8,961,618
No. 23	108-1	1,232,625	.....	1,232,625	807.41	.....	807.41	9,363,814	.....	9,363,814
No. 37	105-6	1,258,426	74,024	1,332,450	831.87	23.26	855.13	11,483,542	241,321	11,724,863
No. 25	102-3	3,071,250	.....	3,071,250	1,574.42	.....	1,574.42	24,857,188	.....	24,857,188
No. 27	134-3	3,225,000	.....	3,225,000	1,229.03	.....	1,229.03	18,208,849	.....	18,208,849
No. 28	92-6	1,669,500	222,600	1,892,100	445.92	63.07	508.99	8,358,141	2,207,450	10,565,591
No. 29	115-3	2,492,100	.....	2,492,100	950.89	.....	950.89	15,274,283	.....	15,274,283
No. 30	113-3	748,275	1,224,450	1,972,725	352.60	760.75	1,113.35	4,923,196	18,376,047	23,299,243
No. 31	116-6	.....	700,500	700,500	.....	546.39	546.39	.....	10,262,325	10,262,325
No. 32	112-3	2,753,188	.....	2,753,188	856.30	.....	856.30	12,401,930	.....	12,401,930
	1526-6	24,412,998	2,221,574	26,634,572	10,943.16	1,393.47	12,336.63	156,700,279	31,087,143	187,787,422

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COMPARATIVE STATEMENT OF STREET WATERING.

		Gallons of Water Used.			Mileage of Streets Watered.			Area of Streets Watered.		
Yr.	Days	Fresh	Salt	Total	Fresh	Salt	Total	Fresh	Salt	Total
1907	1973—2	29,622,914	2,245,075	31,867,989	14,918.61	1,812.24	16,730.85	202,983,848.35	30,867,466.84	233,851,315.19
1908	1977—2	30,353,738	1,861,038	32,214,776	15,007.45	1,768.34	16,775.79	204,414,971.15	30,205,186.88	234,620,158.03
1909	1771—3	26,931,452	1,661,662	28,593,114	13,352.02	1,539.13	14,891.15	182,801,035.46	26,490,043.34	209,291,078.80
1910	1526—6	24,412,998	2,221,574	26,634,572	10,943.16	1,393.47	12,336.63	156,700,279.00	31,087,143.00	187,787,422.00

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Applying Dustoline.

This is the fourth season that we have applied Dustoline to the roadbeds of certain streets, and the result as in former years, has been very satisfactory.

We have used, during the past season, six tank cars containing 45,391 gallons of this material. This is about twice the quantity that was used last year because we treated more streets, in fact, we covered about 19 miles of 20 foot roadbed at a cost of $3,205.79 or $168.73 per mile for the season.

The applying of Dustoline is far superior to watering because it keeps the dust laid continually for a period of from six to eight weeks, which is governed considerably by weather conditions.

Last year we made a test of Dustoline, Texas Oil and Standard Oil, applied to Easton's Beach Road in three sections, and Dustoline stood the test the best, with the Standard Oil a good second, but the Texas Oil did not prove out quite as well.

Two hundred dollars was donated this year toward the cost of applying Dustoline to the Broadway roadbed.

Mrs. T. Suffern Taylor, Miss Caroline O. Jones and the Messrs. John R. Drexel, Craig Biddle, John Thompson Spencer and Harry Lehr donated $20.00 each towards the applying of Dustoline to the roadbeds of Ruggles and Ochre Point Avenue, in front of their estates.

The following are full and complete statistics in relation to the applying of Dustoline, which have been carefully prepared by this office, viz.:

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FIRST CAR OF DUSTOLINE.

First Application, June 8, 9 and 13, 1910.

Street or Avenue.	Sq. Yds.	Average Gal. per Sq. Yard	Gals. Used	Cost per Gal. Applied	Total Cost
Ridge road	10,744	.0673	723	.07062	$51 06
Harrison avenue, Ridge road to Carroll avenue	27,303	.1272	3,473	.07062	245 27
Carroll avenue, Harrison avenue to Thames street	3,733	.1272	475	.07062	33 55
Morton avenue	4,225	.1272	538	.07062	38 00
Broadway, One Mile Corner to Bliss road	15,000	.1157	1,736	.07062	122 60
Bellevue avenue, Kay street to Perry street	10,196	.1136	1,158	.07062	81 78
	71,201		8,103		$572 26

Average cost per square yard, .008.

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SECOND CAR OF DUSTOLINE.

First Application, June 14, 15 and 20, 1910.

Street or Avenue.	Sq. Yds.	Average Gal. per Sq. Yd.	Gals. Used.	Cost per Gal. Applied	Total Cost
Bellevue avenue, Perry street to Coggeshall avenue	43,364	.0885	3,838	.07062	$271 04
Narragansett avenue, Bellevue avenue west, 200 ft.	778	.0886	69	.07062	4 88
Broadway, Bliss road to Equality Park place	8,945	.1247	1,116	.07062	78 82
Third street, Walnut street to Training Station road	8,689	.1284	1,116	.07062	78 82
Bridge street	2,629	.1106	291	.07062	20 55
Elm street	2,416	.1105	267	.07062	18 86
Bath road, Bellevue avenue to Rhode Island avenue	3,930	.1419	558	.07062	39 41
Old Beach Road, Bellevue avenue to Gibbs avenue	7,327	.0761	558	.07062	39 41
Gould street	1,927	.0601	116	.07062	8 19
Tilley avenue	1,572	.0591	93	.07062	6 57
Congdon avenue, Gould street north	1,179	.0602	71	.07062	5 02
	82,756		8,093		$571 57

Average cost per square yard, .0069.

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THIRD CAR OF DUSTOLINE.

First Application, June 30, July 1, 2 and 5, 1910.

Street or Avenue.	Sq. Yds.	Average Gal. per Sq. Yd.	Gals. Used.	Cost per Gallon Applied.	Total Cost.
Northam lane, Thames street to Rousemaniere place	333	.1915	64	.07062	$4 52
Rousemaniere place	213	.1915	41	.07062	2 90
Whittier avenue, 100 ft., Thames street west	156	.1915	30	.07062	2 12
Dennis avenue, 100 ft., Thames street west	133	.1915	25	.07062	1 77
Wilcox court, 100 ft., Thames street west	111	.1915	21	.07062	1 48
Sherman wharf, 100 ft., Thames street west	166	.1915	32	.07062	2 26
Swinburne's wharf, 100 ft., Thames street west	156	.1915	30	.07062	2 12
Champlin's wharf, 100 ft., Thames street west	111	.1915	21	.07062	1 48
Bull's wharf, 100 ft., Thames street west	167	.1915	32	.07062	2 26
Lopez wharf, 100 ft., Thames street west	178	.1915	34	.07062	2 40
Cotton court	360	.1915	69	.07062	4 97
Market square, Newman's wharf and Ferry wharf	600	.1915	115	.07062	8 12
Bowen's wharf, 100 ft., Thames street west	211	.1915	40	.07062	2 83
Kinsley wharf	1,057	.0529	56	.07062	3 96
Sayer's wharf	1,625	.0529	86	.07062	6 07
Scott's wharf, 100 ft., Thames street west	200	.0529	11	.07062	78
Commercial wharf, north and south and between	6,725	.0529	356	.07062	25 14
Hammett's wharf, 100 ft., Thames street west	311	.0529	17	.07062	1 20
Perry Mill wharf, 100 ft., Thames street west	366	.0529	19	.07062	1 34
Bailey court, 100 ft., Thames street west	189	.0529	10	.07062	71
Taylor court, 100 ft., Thames street west	255	.1283	33	.07062	2 33
Brown & Howard's wharf, 100 ft., Thames street west	278	.1283	36	.07062	2 54
Lee's wharf, 100 ft., Thames street west	278	.1283	36	.07062	2 54
West Howard street, 200 feet, Thames street west	467	.1283	60	.07062	4 24
Spring wharf, 200 ft., Thames street west	622	.1283	80	.07062	5 65

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THIRD CAR OF DUSTOLINE—Continued.

First Application, June 30, July 1, 2 and 5, 1910.

Street or Avenue.	Sq. Yds.	Average Gal. per Sq. Yd.	Gals. Used.	Cost per Gal. Applied.	Total Cost.
Extension street, 200 ft., Thames street west	573	.1283	74	.07062	5 23
Waite's wharf, 200 ft., Thames street west	489	.1283	63	.07062	4 45
Coddington wharf, 200 ft., Thames street west	355	.1283	46	.07062	3 25
Goodwin street, 200 ft., Thames street west	466	.1283	59	.07062	4 17
Harrington street, 200 ft., Thames street west	533	.1283	68	.07062	4 80
East Bowery street, Bellevue avenue to Middleton avenue	3,522	.1181	416	.07062	29 38
Dresser street, Annandale road to Cliff avenue	2,053	.1350	277	.07062	19 56
Red Cross avenue, Old Beach road, south 500 ft	2,000	.1386	277	.07062	19 56
Chapel street, Old Beach road south	727	.1906	139	.07062	9 82
Kay street, Touro street to Powel avenue	8,520	.0813	693	.07062	48 94
Easton's Beach road, Bath road east	3,604	.1537	554	.07062	39 12
Bath road, pavilion west, 312 ft	2,794	.1894	554	.07062	39 12
Rhode Island avenue. Broadway to Kay street	3,360	.1650	554	.07062	39 12
	44,269		5128		$362 25

Average cost per square yard .0081

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THIRD CAR OF DUSTOLINE.

Second Application, July 1, 2 and 5, 1910.

Street or Avenue.	Sq. Yds.	Average Gal. per Sq. Yd.	Gals. Used.	Cost per Gal. Applied.	Total Cost.
Broadway, Equality Park place to Bliss road	8,945	.1084	970	.07062	$68 51
Broadway, Bliss road to One Mile Corner	15,000	.0369	555	.07062	39 20
Bellevue avenue, Touro street to LeRoy avenue	19,768	.0561	1,109	.07062	78 32
Harrison avenue, Halidon avenue to Carroll avenue	5,576	.0496	277	.07062	19 56
	49,289		2,911		$205 59

Average cost per square yard, .0041.

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THIRD CAR OF DUSTOLINE—Continued.

First Application, June 30, July 1, 2 and 5, 1910.

Street or Avenue.	Sq. Yds.	Average Gal. per Sq. Yd.	Gals. Used.	Cost per Gal. Applied.	Total Cost.
Extension street, 200 ft., Thames street west	573	.1283	74	.07062	5 23
Waite's wharf, 200 ft., Thames street west	489	.1283	63	.07062	4 45
Coddington wharf, 200 ft., Thames street west	355	.1283	46	.07062	3 25
Goodwin street, 200 ft., Thames street west	466	.1283	59	.07062	4 17
Harrington street, 200 ft., Thames street west	533	.1283	68	.07062	4 80
East Bowery street, Bellevue avenue to Middleton avenue	3,522	.1181	416	.07062	29 38
Dresser street, Annandale road to Cliff avenue	2,053	.1350	277	.07062	19 56
Red Cross avenue, Old Beach road, south 500 ft	2,000	.1386	277	.07062	19 56
Chapel street, Old Beach road south	727	.1906	139	.07062	9 82
Kay street, Touro street to Powel avenue	8,520	.0813	693	.07062	48 94
Easton's Beach road, Bath road east	3,604	.1537	554	.07062	39 12
Bath road, pavilion west, 312 ft	2,794	.1894	554	.07062	39 12
Rhode Island avenue. Broadway to Kay street	3,360	.1650	554	.07062	39 12
	44,269		5128		$362 25

Average cost per square yard .0081

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THIRD CAR OF DUSTOLINE—Continued.

First Application, June 30, July 1, 2 and 5, 1910.

Street or Avenue.	Sq. Yds.	Average Gal. per Sq. Yd.	Gals. Used.	Cost per Gal. Applied.	Total Cost.
Extension street, 200 ft., Thames street west	573	.1283	74	.07062	5 23
Waite's wharf, 200 ft., Thames street west	489	.1283	63	.07062	4 45
Coddington wharf, 200 ft., Thames street west	355	.1283	46	.07062	3 25
Goodwin street, 200 ft., Thames street west	466	.1283	59	.07062	4 17
Harrington street, 200 ft., Thames street west	533	.1283	68	.07062	4 80
East Bowery street, Bellevue avenue to Middleton avenue	3,522	.1181	416	.07062	29 38
Dresser street, Annandale road to Cliff avenue	2,053	.1350	277	.07062	19 56
Red Cross avenue, Old Beach road, south 500 ft	2,000	.1386	277	.07062	19 56
Chapel street, Old Beach road south	727	.1906	139	.07062	9 82
Kay street, Touro street to Powel avenue	8,520	.0813	693	.07062	48 94
Easton's Beach road, Bath road east	3,604	.1537	554	.07062	39 12
Bath road, pavilion west, 312 ft	2,794	.1894	554	.07062	39 12
Rhode Island avenue, Broadway to Kay street	3,360	.1650	554	.07062	39 12
	44,269		5128		$362 25

Average cost per square yard .0081

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THIRD CAR OF DUSTOLINE.

Second Application, July 1, 2 and 5, 1910.

Street or Avenue.	Sq. Yds.	Average Gal. per Sq. Yd.	Gals. Used.	Cost per Gal. Applied.	Total Cost.
Broadway, Equality Park place to Bliss road	8,945	.1084	970	.07062	$68 51
Broadway, Bliss road to One Mile Corner	15,000	.0369	555	.07062	39 20
Bellevue avenue, Touro street to LeRoy avenue	19,768	.0561	1,109	.07062	78 32
Harrison avenue, Halidon avenue to Carroll avenue	5,576	.0496	277	.07062	19 56
	49,289		2,911		$205 59

Average cost per square yard, .0041.

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FOURTH CAR OF DUSTOLINE.

First Application, July 20, 21, 22, August 6, 1910.

Street or Avenue.	Sq. Yds.	Average Gal. per Sq. Yd.	Gals. Used.	Cost per Gal. Applied.	Total Cost.
Halidon avenue	3,427	.0831	285	.07062	$20 13
Third street, Bridge street to Walnut street	1,700	.1676	285	.07062	20 13
Bath road, Old Beach road east, 312 ft	2,794	.1528	427	.07062	30 16
Eustis avenue, 400 ft. Bath road north	1,067	.1340	143	.07062	10 10
Eustis avenue, 400 ft. Bath road south	1,067	.1340	143	.07062	10 10
Ruggles avenue, Wetmore avenue to Drexel estate	2,750	.1552	427	.07062	30 16
West Broadway	3,981	.2147	855	.07062	60 37
Ochre Point avenue, Ruggles avenue north, 200 ft	511	.2778	142	.07062	10 03
	17,297		2,707		$191 18

Average cost per square yard, .011.

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FOURTH CAR OF DUSTOLINE.

Second Application, July 19, 20, 21 and 22, 1910.

Street or Avenue.	Sq. Yds.	Average Gal. per Sq. Yd.	Gals. Used.	Cost per Gallon Applied	Total Cost
Ridge road	10,744	.0397	427	.07062	$30 16
Harrison avenue, Ridge road to Halidon avenue	21,727	.0590	1282	.07062	90 54
Carroll avenue, Thames street to Harrison avenue	3,733	.0380	142	.07062	10 03
Morton avenue	4,225	.0338	143	.07062	10 10
Third street, Walnut street to Training Station road	8,689	.0328	285	.07062	20 13
Gould street	1,927	.0808	155	.07062	10 95
Tilley avenue	1,572	.0803	136	.07062	8 90
Congdon avenue, Gould street north	1,179	.0803	95	.07062	6 71
Elm street	2,416	.0803	194	.07062	13 70
Old Beach road, Belleve avenue to Gibbs avenue	7,327	.0566	415	.07062	29 31
Red Cross avenue, Old Beach road south, 500 ft	2,000	.0566	114	.07062	8 05
Chapel street, Old Beach road south	727	.0566	41	.07062	2 90
Bridge street	2,629	.0540	142	.07062	10 03
Third street, Bridge street to Walnut street	1,700	.0841	143	.07062	10 10
	70,595		3704		$261 61

Average Cost per square yard, .0037

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FOURTH CAR OF DUSTOLINE.

Third Application, July 20, 22, Aug. 15, 1910.

Street or Avenue.	Sq. yds.	Average gal. per Sq. yd.	Gals. Used.	Cost per Gal. Applied	Total Cost
Harrison avenue, Halidon avenue to Carroll avenue.....	5,576	.1022	570	.07062	$40.25
Broadway, Equality Park Place to Mile Corner.....	23,945	.0238	570	.07062	40.25
Bellevue avenue, Kay street to Narragansett avenue.....	14,376	.0297	427	.07062	30.16
East Bowery street, Bellevue avenue to Middleton avenue...	3,522	.0403	142	.07062	10.03
	47,419		1709		$120.69

Average cost per square yard, .0025.

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FIFTH CAR OF DUSTOLINE.

Fourth Application, August 25 and 26, 1910.

Street or Avenue.	Sq. Yds.	Average Gal. per Sq. Yd.	Gals. Used.	Cost per Gallon Applied	Total Cost
Broadway, Equality Park place to One Mile Corner.....	23,945	.0666	1596	.07062	$112.71

Average Cost per Square Yard, .0047.

FIFTH CAR OF DUSTOLINE.

Second Application, August 26, 27 and 30, 1910.

Street or Avenue.	Sq. Yds.	Average Gal. per Sq. Yd.	Gals. Used.	Cost per Gal. Applied.	Total Cost.
Ochre Point avenue, Ruggles avenue north, 200 ft.....	511	.0815	42	.07062	$2 97
Ruggles avenue, Wetmore avenue to Drexel estate.	2,750	.0815	224	.07062	15 82
Bath road, Bellevue avenue to Rhode Island avenue.....	3,930	.1353	532	.07062	37 57
Halidon avenue.....	3,427	.0148	51	.07062	3 60
Kay street, Touro street to Powel avenue.....	8,520	.0468	399	.07062	28 18
Rhode Island avenue, Kay street to Broadway.....	3,360	.0395	133	.07062	9 39
West Broadway	3,981	.1336	532	.07062	37 57
	26,479		1,913		$135 10

Average cost per square yard, .0051.

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FIFTH CAR OF DUSTOLINE.

Third Application, August 26, 27 and 30, 1910.

Street or Avenue.	Sq. Yds.	Average Gal. per Sq. Yd.	Gals. Used.	Cost per Gal. Applied	Total Cost.
Bellevue avenue, Ruggles avenue to LeRoy avenue	5,600	.0475	266	.07062	$18 79
Harrison avenue, Ridge road to Halidon avenue	21,727	.0148	322	.07062	22 74
Ridge road	10,744	.0148	159	.07062	11 23
Third street, Bridge street to Training Station road	10,389	.0896	932	.07062	65 82
Bridge street	2,629	.0505	133	.07062	9 39
Bellevue avenue, LeRoy avenue to Perry street	8,800	.0302	266	.07062	18 79
Carroll avenue, Thames street to Harrison avenue	3,733	.0334	125	.07062	8 83
Morton avenue	4,225	.0334	141	.07062	9 96
	67,847		2,344		$165 55

Average cost per square yard, .0024.

FIFTH CAR OF DUSTOLINE.

Fourth Application, September 10, 1910.

Street or Avenue.	Sq. Yds.	Average Gal. per Sq. Yd.	Gals. Used.	Cost per Gal. Applied.	Total Cost.
Bellevue avenue, Kay street to Bowery street	7,961	.0668	532	.07062	$37 57

Average cost per square yard, .0047.

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FIFTH CAR OF DUSTOLINE.

First Application, October 24, 1910.

Street or Avenue.	Sq. Yds.	Average Gal. per Sq. Yd.	Gals. Used.	Cost per Gal. Applied.	Total Cost.
Middleton avenue, Bath road to Merton road	720	.1847	133	.07062	$9 39

Average cost per square yard, .013.

SIXTH CAR OF DUSTOLINE.

Third Application, November 14 and 15, 1910.

Street or Avenue.	Sq. Yds.	Average Gal. per Sq. Yd.	Gals Used.	Cost per Gallon Applied.	Total Cost.
West Broadway	3,981	.1363	543	.07062	$38 35
Gould street	1,927	.0581	112	.07062	7 91
Tilley avenue	1,572	.0581	91	.07062	6 43
Congdon avenue, Gould street north	1,179	.0581	69	.07062	4 87
Elm street	2,416	.0704	170	.07062	12 01
	11,075		985		$69 57

Average cost per square yard .0062

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SIXTH CAR OF DUSTOLINE.

Fourth Application, November 14, 1910.

Street or Avenue.	Sq. Yds.	Average Gal. per Sq. Yd.	Gals. Used.	Cost per Gallon Applied.	Total Cost.
Third street, Bridge street to Training Station road.....	10,389	.0704	732	.07062	$51 69
Bridge street.....	2,629	.0704	185	.07062	13 06
	13,018		917		$64 75

Average cost per square yard .0049

SIXTH CAR OF DUSTOLINE.

Fifth Application, November 14, 1910.

Street or Avenue.	Sq. Yds.	Average Gal. per Sq. Yd.	Gals. Used.	Cost per Gallon Applied	Total Cost.
Broadway, Equality Park Place to One Mile Corner.....	23,945	.0680	1,629	.07062	$115 04
Bellevue avenue, Kay street to the turn.....	36,855	.0516	1,901	.07062	134 25
	60,800		3,530		$249 29

Average cost per square yard .0041

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SIXTH CAR OF DUSTOLINE.

First Application, November 15, 1910.

Street or Avenue.	Sq. Yds.	Average Gal. per Sq. Yd.	Gals. Used.	Cost per Gal. Applied.	Total Cost.
Marlborough street	2,272	.0402	91	.07062	$6 43
West Marlborough street	2,123	.0402	85	.07062	6 00
Washington square	4,333	.1072	464	.07062	32 77
Park place	398	.1072	43	.07062	3 04
	9,126		683		$48 24

Average cost per square yard, .0052.

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SIXTH CAR OF DUSTOLINE.

Second Application, November 15, 1910.

Street or Avenue.	Sq. Yds.	Average Gal. per Sq. Yd.	Gals. Used.	Cost per Gal. Applied.	Total Cost.
Market square	625	.0402	25	.07062	$1 77
Kinsley's wharf	1,057	.0402	43	.07062	3 04
Commercial wharf, north and south and between	6,725	.0402	271	.07062	19 14
Perry Mill wharf, 100 ft. Thames street west	366	.0402	15	.07062	1 06
Hammett's wharf, 100 ft. Thames street west	311	.0402	13	.07062	92
Northam lane, Thames street to Rousemainere place	333	.1072	36	.07062	2 54
	9,417		403		$28 47

Average cost per square yard, .003.

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Standard Oil.

On August 24th, 1910, I received a communication from Mr. W. D. McMillan, Manager of the New England Department of the Standard Oil Company of New York, requesting that they be given an opportunity, at their own expense, to give a demonstration of applying their oil with the Saybolt High Pressure Road Oil Distributor, which applies the oil under pressure in a fine spray penetrating the surface of the road, so as to leave it absolutely trackless within fifteen minutes of its application.

As they said they had given some demonstrations in Providence and vicinity with very satisfactory results, I decided to grant their request, as it would be of no expense to the City. On September 5th a demonstration was given to the roadbed of Berkeley Avenue, under the direction of Mr. Renton, of the Standard Oil Company, and the result was so satisfactory that while the machine was in the city, I thought it would be wise to have them treat some of the newly macadamed roadbeds to find out what the result would be.

The following streets were treated by this new method, at an expense of sixty-three dollars, viz :

Street.	Length.	Width.	Sq. yds.
Warner Street,	1,233 ft.	15 ft	2,055.0
Prairie Avenue,	664 ft.	29 ft. 3 in.	2,161.7
Gibbs Avenue,	1,230 ft.	23 ft.	3,143.3
Catherine Street,	774 ft.	25 ft. 4 in.	2,184.4
	3,901 ft.		9,544.4

I find that the treating of the roadbeds by the Saybolt Pressure Oil Distributor is so satisfactory, that I would recommend that next season all of the streets, with the exception of the permanent pavements and steep grade streets, be treated by this method, using either Dustoline or Standard Oil, the work to be let out at contract, and be awarded to the lowest bidder. The applying of the oil to be done under the direction and to the satisfaction of the Street Commissiomer.

Quarry and Crusher.

The work of quarrying and crushing stone commenced on the 14th day of March and continued until November 12th. The weighing was continued until November 26th, when the plant was closed down for the winter.

Considerable repairs will have to be made to this plant before we

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commence operations next spring, and I would recommend that an appropriation to cover this cost be included in the budget.

The amount of stone quarried and crushed during the season was as follows, viz: Ledge stone, 979 tons; crushed stone, 8,356 tons, making a total production of 9,335 tons.

The cost of quarrying and crushing stone this year was, ledge stone, 50 cents per ton, and crushed stone, $1.19 per ton.

The present lease of the quarry will expire at the end of another year, at which time the production will be exhausted at the present level. If the lease of this quarry is renewed for another term of two years, the cost of production will be increased because we would have to install and operate a pumping apparatus to keep the quarry free from water.

Steam Road Rollers.

The re-macadamizing and re-surfacing of streets commenced on the 4th day of April and continued until November 16th, when the work was shut down for the winter.

A new 15-ton Steam Road Roller was purchased this year from the Buffalo Steam Roller Company, at an expense of $3,800, they allowing $800 in exchange for one of the old rollers, making the net cost to the city, $3,000.

New parts were also purchased for the other two rollers, from the above named company, at an expense of $1,194 50.

The purchase of the new roller and the roller parts were made in accordance with the special appropriations.

Tarvia X--7.

Having some of this material left over from last year, and in consideration of the excellent results which have been derived from applying the same to quarters of the roadbeds to prevent washouts during heavy rainfalls, I had the quarters of the roadbeds of the following streets treated this year, viz:

Street.	Sq. Yds.
Old Beach Road, Gibbs to Rhode Island Avenue,	1,379
Kay Street at crossings	106
Market Square	95
Mill Street	582
Bellevue Avenue at Catherine Street crossing	8
Bellevue Avenue, at Bath Road crossing	2
Total	2,172

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The following permanent pavements were also repaired with this material, viz :

	Sq. Yds.
Coggeshall Avenue, Ruggles Avenue south	100
Broadway	130
Spring Street	20
Total	250

Ditch openings were repaired for the Newport Gas Light Company and the Newport Water Works, they paying this Department for the work, and the money was re-deposited with the City Treasurer.

Tarvia "B."

One car load of Tarvia "B" was purchased this year, which was used on Everett street between Broadway and Kay street, and Coggeshall Avenue, a detailed account of which will be found in another part of this report.

Streets Re-macadamized.

The following streets have been re-macadamized this year, and full statistics of same will be found in another part ot this report; Catherine street from Rhode Island Avenue east; Covell street; Downing street; Everett street from Kay to Francis street; Gibbs Avenue from Champlin to Catherine street; Gould street; Rhode Island Avenue from Broadway east; Touro street, east and west from Spring street; and Washington street from Battery to Chestnut street.

Streets Re-surfaced and Rolled.

Dartmouth street; Farewell street from Walnut street south; Harrison Avenue from Anthony's Ledge to Carroll Avenue; Poplar street; Third street from Walnut street north; Walnut street from Farewell street west; Third street from Walnut street south; Warner street from Dartmouth street to Malbone Avenue; Washington square and West Marlborough street.

Full statistics in relation to this work will be found in another part of this report.

Streets Macadamized (New Work.)

Chase street; East Bowery street, Annandale road to Middleton Avenue; Extension street from Thames street west; Feke street; Gibbs Avenue from Champlin street to Water Works road; Gillies

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court; Grafton street; Hoffman Place; Houston Avenue from Wellington Avenue south; Ledyard Place; Middleton Avenue from Weaver Avenue to Merton road; Oakwood Terrace and Prairie Avenue from Catherine street north. Full statistics will be found in another part of this report.

Hazard's Beach Watering Station.

Through personal request to Mr. Bradford Norman, I was fortunate to obtain permission from the Newport Hospital to locate a salt water pumping station at Hazard's Beach. We have needed a station in this vicinity for some time, ever since the tank collapsed at Bailey's Beach, and that location had to be abandoned by request of the Spouting Rock Association.

We had the tank which was purchased a few years ago; the foundation and erection for same was performed by the employees of this department. The boiler was furnished by Mr. P. F. Conroy under contract, he being the lowest bidder.

The total cost of putting the plant in operation was $851.26, exceeding the appropriation by $551.26, which amount was taken from the Emergency Fund.

A road was built from Ocean Avenue to the tank for a distance of 125 feet, at an expense of $149.83, which was paid from appropriation (h).

Easton's Beach.

As in previous years, a man is constantly employed during the summer months in cleaning up the roadbed, mowing the grass plot, etc., at Easton's Beach. The iron rail and sea wall has also received some repairs. The total expenditure this past season being $469.96.

Forty Steps.

Repairs were made to Forty Steps this year by the Burbidge Co., at an expense of $52.55; painting and other repairs were also made at a cost of $11.65, making a total expenditure of $64.20. I would recommend that these steps receive a thorough repair before the summer season, to place them in safe condition for the public, and thereby prevent any accident that might happen. They are now in a very dangerous condition.

Van Zandt Avenue Pier.

An appropriation of $400.00 was made this year for repairs to this pier, but only $47.52 was necessary to expend, leaving a balance of $352.48

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Ann Street Pier.

Repairs were made to this pier this year at a cost of $58.86.

Elm Street Pier.

Repairs were made to this pier during the past year by Mr. Thomas Lucas, at an expense of $136.66.

Van Zandt Avenue Bridge.

The appropriation of $400.00 was hardly sufficient to make the necessary repairs to this bridge. This office wrote to several lumber firms to obtain the prices on lumber, but could not get a price low enough to warrant the work to be performed by the employees of this department. Prices were obtained from several contractors, and their prices were too high.

As the bridge became so dangerous for public travel, I decided to award the work to the lowest bidder, Mr. Thomas Lucas, for the sum of $475.00. Advertising for proposals and other minor repairs amounting to $33.04 made the total cost $508.04.

Appropriation $400.00 plus increase wage appropriation of $1.63, making total appropriation $401.63.

The balance, amounting to $106.41, was paid from the Emergency Fund.

Spraying Trees.

We co-operated again this year with the State Board of Agriculture for the spraying of the trees to exterminate the Elm Beetle and Tussock Moth. The State Board furnished all the material, apparatus and the Superintendent; this department furnished two men and horse. The Park Commission re-imbursed this department to the amount of $23.01, which was the cost of spraying the trees in the parks. One-half of the sum that was received from private parties by Supt. E. R. Anthony, amounting to $3.82, was paid to this department and re-deposited with the City Treasurer to the credit of the appropriation. This Fall we have had two men at work brushing off and destroying the Tussock Moth cocoons.

Appropriation $200.00, plus increase wage appropriation $9.63, and the amount $3.82, deposited with the City Treasurer, making the total appropriation $213.45. Expenditure $199.24. Balance unexpended $14.21.

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Easton's Beach Bridge.

The Town of Middletown co-operated with this department in making the necessary repairs to Easton's Beach Bridge, which is located just between the lines of Newport and Middletown.

This department performed all the work at an expense of $107.26, and the city was re-imbursed by the Town of Middletown for one-half of this amount.

I am still of the opinion that a good strong concrete bridge should be built to replace this wooden structure.

Water Works Road Bridge.

The traffic being so heavy over this bridge that this department was constantly under an expense to put it in repair, I decided to change this bridge into a culvert, the cost of which was $76.08. I am confident that this matter has been adjusted for a good many years.

Ocean Avenue Sea Wall.

In accordance with my recommendation, your Honorable Body made an appropriation of $2,000.00 to build a low wall on Ocean avenue at a point at Graves Point clubhouse to outlet of the Golf Grounds. This wall has been built by the employees of this department at an expense of $2,025.95.

Appropriation $2,000.00, plus increase wage appropriation $49.07, making a total appropriation of $2,049.07, leaving an unexpended balance of $23.12.

High Sea Wall, Ocean Avenue.

This sea wall, which was built during the latter part of the season of 1908, was unable to resist the strong heavy action of the sea, and part of the footing was washed out, which allowed part of the wall to collapse. The employees of this department have made the necessary repairs to this wall at an expense of $270.90, which amount was paid from the Emergency Fund.

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NEW WORK.

Annandale Road Curb.

A granite curb was laid on the east side of Annandale road from Merton road to Dresser street, at an expense of $822.71. Appropriation $1,000, plus increase wage appropriation $28.24, total appropriation $1,028.24. Balance unexpended, $205.53.

Gibbs Avenue Macadam.

The roadbed of Gibbs avenue from Champlin street to Water Works road was macadamized at an expense of $514.77. Appropriation $500, plus increase wage appropriation $24.02, total appropriation $524.02. Unexpended balance $9.25.

Middleton Avenue Macadam.

Middleton avenue from Weaver avenue to Merton road was macadamized at an expense of $947.38. Appropriation $1,050, plus increase wage appropriation $45.96, total appropriation, $1,095.96. Unexpended balance, $148.58.

Gillies Court Macadam.

Gillies court was macadamized at an expense of $119.24. Appropriation $300, plus increase wage appropriation $6.86, total appropriation $306.86. Balance unexpended, $187.62.

East Bowery Street Macadam.

East Bowery street from Middleton avenue to Annandale road was macadamized at an expense of $269.55. Appropriation $1,100, plus increase wage appropriation $13.45, total appropriation $1,113.45, leaving a balance of $843.90. The roadbed of this street was found in fairly good condition, which accounts for the large balance unexpended.

Grafton Street.

Grafton street was graded, curbed and macadamized at an expense of $2,820.88. Appropriation $3,000, plus increase wage appropriation $93.02, total appropriation $3,093.02, leaving a balance of $272.14.

Extension Street.

Extension street from Thames street east has been macadamized, granite curb laid on the south side and a flag walk on the north side,

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at an expense of $1,020.50. Appropriation $1,300, plus increase wage appropriation $38.67, total appropriation $1,338.67, leaving a balance of $318.17.

Feke Street.

Feke street has been macadamized and a granite curb laid on one side at an expense of $619.83. Appropriation $600, plus increase wage appropriation $20.34, total appropriation $620.34. Balance unexpended, $0.51.

Hoffman Place.

Hoffman place has been macadamized and grass-bordered sidewalks built on both sides at an expense of $227.35. Appropriation $400, plus increase wage appropriation $14.55, total appropriation $414.55, leaving a balance of $187.20.

Chase Street.

Flagwalk and double gutter have been built on Chase street at an expense of $517.05. Appropriation $500, plus increase wage appropriation $17.20, total appropriation $517.20. Balance unexpended $0.15. The macadamizing of this street, the cost of which was $109.41, was paid from Appropriation (h).

Houston Avenue.

Houston avenue between Wellington avenue and West Narragansett avenue was graded, macadamized and a granite curb laid on both sides at an expense of $3,540.80. Appropriation $4,000, plus increase wage appropriation $102.76, total appropriation $4,102.76, leaving an unexpended balance of $561.96.

Ledyard Place.

Ledyard place was graded and macadamized at an expense of $1,078. Appropriation $1,100, plus increase wage appropriation $68.51, total appropriation $1,168.51, leaving a balance unexpended of $90.51.

Tew's Court Sewer.

An eight inch pipe sewer was laid in Tew's Court, through the Davis and Stedman Estates, and connected with the Chapel Street sewer, length of which was 569 feet, at a cost of $587.21.

Appropriation $1,300 plus increase wage appropriation $39.84, total appropriation $1,339.84, leaving an unexpended balance of $752.63.

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Kilburn Court Sewer.

As this sewer would have to be connected with the sewer on the west side of Broadway, necessitating the cutting of the bitulithic pavement, I considered that the amount appropriated was far from what the cost would be, therefore, I decided not to perform the work at this time.

Carey Street Sewer.

Since building the manholes and giving this sewer a good overhauling last year, there have been no complaints as to the working of the same, and I considered it would be a waste of the city money to re-build a sewer which was not needed.

Malbone Avenue Sewerage System.

After starting this sewer, and giving the matter careful consideration, I came to the conclusion that it would be much more economical, and that more property would be accommodated if the line of the sewer was changed, and not laid as was originally intended. I therefore interviewed Mr. Patrick H. Welch and obtained his permission to lay the sewer up through his lot to both Thurston and Bedlow avenues, thereby, not only saving much money in excavating and dodging the rock which I would have encountered had I laid the sewer as was intended, I was able to

First—Lay a sewer in the west end of Thurston avenue for a distance of 446 feet, which not only accommodated the property which never before could have sewerage, but I was enabled to reopen the eyeholes at the corner of Broadway and Thurston avenue, which have been a nuisance and a matter of considerable inconvenience in this locality for some years, especially during heavy rain falls.

Second—Lay a sewer in Bedlow avenue from the Welch lot west, for a distance of 97 feet to accommodate houses built in this locality.

Third—Lay a sewer in Malbone avenue from Garfield street east, for a distance of 178 feet.

Fourth—Extend the sewer in Malbone avenue from Cummings avenue west, for a distance of 235 feet.

Fifth—Lay a sewer in Cummings avenue from Malbone avenue north, for a distance of 276 feet, which was a part of the original layout.

The whole sewerage system was completed within the appropria-

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tion, and much more would have been saved in the expense if we had not encountered a vein of running sand in Garfield street for a distance of about four hundred and seventy-five feet.

The sewerage system complete is as follows, viz:—

Garfield street,	952 ft. of 18 in. pipe
Malbone avenue,	526 ft. of 18 in. pipe
Malbone avenue,	178 ft. of 8 in. pipe
Welch lot,	459 ft. of 18 in. pipe
Welch lot	438 ft. of 12 in. pipe
Thurston avenue,	446 ft. of 8 in. pipe
Bedlow avenue	97 ft. of 8 in. pipe
Cummings avenue	276 ft. of 8 in pipe
Total length of system,	3,372 ft

Appropriation $5,000 ; increase wage appropriation $337.23 ; total appropriation $5,337.23. Expenditure $5,241.13, leaving an unexpended balance of $96.10.

Wellington Avenue Wall

Owing to the inclemency of the weather, we were unable to complete the retaining wall which is being built on Wellington avenue from Halidon avenue east.

This wall when completed will be 567 feet in length, viz:—325 ft. x 8 ft. x 3½ ft. and 242 ft. x 7 ft. x 3½ ft., containing 600 cords of stone; considerable of this stone was picked up on the shore. It will greatly improve the appearance of the surroundings when filled in to the street line, which can be done by the garbage contractor to a certain extent.

The cost of building the wall up to the present time is $2,023.20. The appropriation was $3,000 plus increase wage appropriation $1.85, total appropriation $3,001.85, leaving an unexpended balance of $978.65. An appropriation will have to be made next year to complete the work.

Peckham Avenue Sewer

An eight inch sewer was laid in Peckham avenue from Broadway west for a distance of 247 feet, at an expense of $348.45. The appropriation of $300 plus increase wage appropriation of $17.91, total appropriation $317.91, was not sufficient to cover the cost of the work, and we were therefore obliged to draw upon the Emergency Fund to the amount of $30.54 to complete the work. Later in the season,

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under the direction of the Board of Aldermen, this sewer was extended for a distance of 72 feet, at an expense of $45.34, which amount was paid from appropriation (e). This sewer was extended to accommodate a new building under construction.

Increase Wage Appropriation

Your Honorable Body, on the 8th of April, passed an ordinance increasing the wages of certain employees of this department to the amount of Twenty-five cents per day, and immediately passed a resolution appropriating the sum of $5,000 to meet this increase, but, the amount appropriated was hardly sufficient as the total increase wage amounted in all to $6,517.22 or $1,517.22 more than the appropriation, and which amount was paid from the regular appropriation.

This appropriation was a non-apportioned account because it was made after the passage of the budget for the year, complicated matters, and caused considerable fine figuring. A full detail account of same will be found in another part of this report.

Statement of Stone Quarried and Crushed During the Year 1910

	Ledge Stone	Crushed Stone
General Repairs and patching streets		376
General Repairs to sidewalks		13
Broadway repairs		49
Bellevue avenue repairs		46
Bellevue avenue patching		28
Ridge road repairs		24
Ocean avenue repairs		191
Harrison avenue repairs		324
Coggeshall avenue, tarvia repairs		9
Easton's Beach road		205
Bath road		372
Broadway pavement		6
Tarvia quarters of roadbeds		30
Mary street sidewalk at Y. M. C. A.		2
St. Clare Home sidewalk, Thames street		3
Spring street pavement		2
Third street		405
Walnut street		25
Farewell street		127
Harrison avenue		898
Washington square		195

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	Ledge Stone	Crushed Stone
Poplar street		206
Warner street		124
West Marlborough street		193
Dartmouth street		90
Downing street		86
Rhode Island avenue		342
Coggeshall avenue		46
Gould street		332
Gibbs avenue		341
Catherine street		376
Everett street		591
Covell street		100
Washington street		335
Hazard's Beach, road to tank		39
Chase street		37
Easton's Beach Bridge		3
Touro street		127
Hazard's Beach Watering Station	14	3
Repair Sea Wall, Ocean avenue	4	4
Annandale road	10	4
Prairie avenue		292
Hoffman place		49
Gibbs avenue		202
Ledyard place		267
Extension street	13	56
East Bowery street		110
Grafton street	25	224
Gillies court		41
Middleton avenue		414
Houston avenue	40	372
Feke street		59
Oakwood Terrace		110
Ocean avenue Sea Wall	564	
Wellington avenue Wall	309	
Crusher, on hand, December 17, 1910		860
City Yard, on hand, December 17, 1910		000
	979	9,265

City Yard, on hand, December 18, 1909		43
From Crusher during Year 1910	979	8,356
Purchased		6
On hand at Quarry December 17, 1910		860
	979	9,265

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Statement of Clinton Point Stone

	Tons	Lbs.
Patching and repairing streets	438	1240
Quarters of roadbeds	24	140
Broadway repairs	20	50
Bellevue avenue patching	72	1160
Coggeshal avenue, tarvia resurface	22	1480
Touro street patching	5	340
Charged to abutters		1000
City Yard, on hand	20	
	585	1960

Sewer Permits.

During the year 95 permits to connect with sewers were issued, making a total to date of 5,618 since the system was adopted in 1884.

The number and description of fixtures connected were as follows:

	Previously reported.	1910.	Total
Water closets	8,494	157	8,651
Laundry tubs	1,719	101	1,820
Sinks	4,319	108	1,427
Bath tubs	1,672	70	1,742
Cellar drains	1,554	50	1,604
Bowls	406	97	503
Land drains	111	1	112
Roofs	757	54	811
Furnace pits	4		4
Stable fixtures	51	5	56
Families accommodated	4,314	117	4,431
Persons accommodated	5,729	351	6,080

New Sewers.

Malbone avenue Sewerage System:

Garfield street ..... 952 ft. of 18 inch pipe
Malbone avenue ..... 178 ft. of 18 inch pipe
Malbone avenue ..... 526 ft. of 8 inch pipe
Welch's lot ..... 459 ft. of 18 inch pipe
Welch's lot ..... 438 ft. of 12 inch pipe
Thurston avenue ..... 446 ft. of 8 inch pipe
Bedlow avenue ..... 97 ft. of 8 inch pipe
Cummings road ..... 276 ft. of 8 inch pipe

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Tew's court Sewerage System:

Stedman court	90 ft. of	8-inch pipe
Stedman land	98 ft. of	8-inch pipe
Davis land	107 ft. of	8-inch pipe
Tew's court	274 ft. of	8-inch pipe
Total system	569 ft.	

Peckham avenue .....247 ft. of 8-inch pipe

In accordance with instructions from the Honorable Board of Aldermen the following sewers were laid this year, viz:—

Farewell street and Walnut street.....121 ft. of 8-inch pipe
Vaughan avenue .....508 ft. of 8-inch pipe
West Narragansett avenue:
Houston avenue west .....198 ft. of 8-inch pipe
Peckham avenue extended..... 72 ft. of 8-inch pipe

Man-Holes Built.

Malbone avenue at Garfield street	1
Malbone avenue at Cummings road	1
Malbone avenue, between Garfield and Cummings road	1
Welch's lot	1
Thurston avenue	1
Bedlow avenue	1
Garfield street,	2
Chapel street	1
Stedman court	1
Tew's court	2
Vaughan avenue	1
	13

Catch Basins Built.

Grafton street at Marchant street	1
Harrison avenue at Webster's estate	1
State street at Downing street	1
Tew's court, south end, east side	1
	4

Eye-Holes Built.

Grafton street at Marchant street, north side	1
Grafton street at Marchant street, south side	1
Houston avenue at West Narragansett avenue	1
Tew's court, South end, east side	1
	4

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New Culvert.

Ocean avenue at Hazard's beach.....15 ft. x 20 in. x 20 in.

Culvert in Placing Bridge.

Water Works road (cast iron pipe).....20 ft. x 18 in.

Sewers Repaired.

Sherman street.....6 ft. stone
Washington square.....10 ft. of 12-inch pipe

Culverts Repaired.

Stone:

Cliff avenue at Sea View avenue.
Harrison avenue at Havemeyer estate.

Pipe:

Water Works road at Arnold's.

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PERMITS FOR STREET AND SIDEWALK OPENINGS, ETC.

	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Totals
Laying gas services	1		8	5	3	2	3	5	5	5	4		41
Laying gas mains				3		1							4
Extending gas mains												1	1
Repairing gas mains				1							1	1	3
Repairing gas services			1				1	1					3
Placing gas lamps			1				2	1					4
Changing location of gas lamps	1							1					2
Repairing gas lamps	2		1										3
Removing gas lamps			2										2
Electric conduits		1	2	1	2					11			17
Connecting waste from electric conduit											7		7
Electric light repairs							1		1				2
Telephone conduits	1					1				1			3
Repairing street railway tracks	1	1	2								1		5
Repairing railroad gates											1		1
New sewer									1				1
Clearing drains			1		1					1	1	1	5
Repairing and relaying sewers	1		1		4		1			1		1	9
Repairing city water shut-off					1								1
Rain water leader						1							1
Gutter bridge						1							1
Laying granolithic sidewalk					1								1
Relaying brick sidewalk						1							1
Sidewalks lights								1					1
Use of sidewalk for building			1	1				1			1		4
Painting building								1					1
Setting out trees											2		2
Removing dead tree											1		1
	7	2	20	11	12	7	8	11	7	19	19	4	127

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STREETS MACADAMIZED (NEW WORK).

Street or Avenue.	Tons cr. Stone	Days Steam Roller	Av. Depth Work	Length Feet	Width Feet	Sq. Yds.	Cost per Sq. Yd.	Cost Macadam	Cost Turnpike	Total Cost
Chase street	37	4	3 in.	206	10	229	.473	$109 41	$	$109 41
East Bowery street, Annandale road to Middleton avenue	110	7½	4 in.	435	20	967	.278	269 55		269 55
Extension st., Thames st. west	56	4	5 in.	272	12	363	.387	140 54		140 54
Feke street	59	6½	4 in.	195	15	326	.545	178 81		178 81
Gibbs avenue, Champlin street to Water Works road	202	13	6 in.	550	21	1,283	.401	514 77		514 77
Gillies court	41	2¼	4 in.	150	14	233	.421	98 24	21 00	119 24
Grafton street	224	10½	6 in.	586	14	912	.555	506 82		506 82
Hoffman place	46	4½	4 in.	200	16	355	.418	148 33		148 33
Houston ave., Wellington, south	373	16	6 in.	700	21	1,633	.534	872 63		872 63
Ledyard place	267	20½	5 in.	927	17	1,751	.492	862 15	215 85	1,078 00
Middleton ave., Weaver avenue to Merton road	414	22½	5 in.	625	26	1,805	.524	947 38		947 38
Oakwood terrace	110	11	4 in.	444	23	1,024	.316	323 50		323 50
Prairie avenue, Catherine, north	292	17½	6 in.	667	30	2,223	.332	718 34	19 75	738 09
	2,231	140		5,957		13,104	.435	$5,690 47	$256 60	$5,947 07

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STREETS RE-MACADAMIZED.

Street or Avenue.	Tons Crushed Stone	Days Steam Roller	Avg. Depth Work	Length feet	Width feet	Sq. Yds.	Cost per Sq. Yd.	Total Cost
Catherine street, Rhode Island avenue, east	376	29½	6 in.	790	26	2,282	.453	$1,032 97
Covell street	100	8	4 in.	218	13	315	.836	273 70
Downing street	86	5½	3 in.	300	17	567	.382	216 65
Everett street, Kay street to Francis street	192	12	5 in.	596	18	1,192	.400	476 51
Gibbs avenue, Champlin street to Catherine street	341	25	5 in.	734	28	2,284	.395	903 26
Gould street	332	28	4 in.	1,260	18	2,520	.376	947 95
Rhode Island avenue, Broadway, east	342	22½	5 in.	1,110	20	2,467	.361	891 61
Touro street, Spring street, east and west	126	8	4 in.	965	16	1,773	.171	304 03
Washington street, Battery street to Chestnut street.	335	19	4 in.	952	20	2,115	.433	917 18
	2230	157½		6,925		15,515	.384	$5,963 86

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TARVIA RE-MACADAMIZED.

Street or Avenue.	Tons Trap Rock	Tons Crushed Stone	Days Steam Roller	Avg. Depth Work	Length feet	Width feet	Sq. Yds.	Cost per Sq. Yd.	Total Cost
Everett St., Broadway to Kay St...		400	27½	4 in.	974	20	2,176	.499	$1,087 59

TARVIA RE-SURFACED.

Coggeshall Ave., Ruggles Ave. to Morton.....		45	1	¼ in.	1,930	26	5,576	.040	$224 82
Coggeshall Ave., Ruggles Ave. to Ocean.....	22				4,260	24	10,886	.012	132 77
	22	45	1		6,190		16,462		$357 59

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STREETS RE-SURFACED AND ROLLED.

Street or Avenue.	Tons Crushed Stone	Days Steam Roller	Length Feet	Width Feet	Sq. Yds.	Cost per Sq. Yd.	Total Cost
Dartmouth street	90	7	396	16	704	.352	$248 08
Farewell street, Walnut street, south	127	11½	1,374	20	3,053	.127	389 45
Harrison avenue, Anthony's ledge to Carroll avenue	398	17	1,525	22	3,928	.245	963 92
Poplar street	206	14½	1,350	17	2,550	.212	542 27
Third street, Walnut street, north	288	17½	4,320	16	6,347	.118	748 06
Third street, Walnut street, south	117	7½	940	17	1,775	.174	309 74
Walnut street, Farewell street, west	25	3½	585	17	1,105	.080	88 64
Warner street, Dartmouth street to Malbone avenue	124	12	525	15	875	.424	371 38
Washington square	195	14	650	60	4,333	.117	510 39
West Marlborough street	193	11½	490	35	1,905	.254	484 16
	1,763	116	12,155		26,575	.141	$4,656 09

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New Driveways Paved

Extension street at "Brierley's"	24 ft. 6 in. x 1 ft. 9 in.
Grafton street at "Franco's"	11 ft. 4 in. x 3 ft. 8 in.
Grafton street at "Reagan's"	12 ft. 9 in. x 3 ft. 8 in.
Ocean avenue at "Hazard's Beach"	120 ft. x 10 in.

Driveways Repaired

Ayrault street at "Marsh's"	8 ft. x 2 ft. 6 in.
Barney street at "Lawton's"	12 ft. x 5 ft.
Bellevue avenue at "Hodgson & Hillhouse"	60 ft. x 4 ft.
Catherine street at "Willard's"	15 ft. x 5 ft.
Poplar street at Smith court	10 ft. 8 in. x 20 in
Poplar street at Court street	16 ft. x 15 in.
Poplar street at Chase street	12 ft. x 20 in.
Rhode Island avenue at "Lappin's"	14 ft. x 1 ft.
Third street between Elm and Poplar, west side	22 ft. x 1 ft. 6 in.

Crossings Repaired

Branch street at Marlborough street	31 ft. x 8 ft.
Battery street at Third street	25 ft. x 6 ft.
Charles street at Marlborough street	19 ft. x 8 ft.
Cherry street, east side	47 ft. x 8 ft.
Cherry street at Third street, east side	20 ft. x 6 ft.
Cherry street at Third street, west side	23 ft. x 6 ft.
Cherry street at Washington street	8 ft. x 4 ft.
Chestnut street at Third street	24 ft. x 6 ft.
Chestnut street at Washington street	23 ft. x 6 ft.
Church street at Trinity Church	36 ft. x 6 ft.
Clark street at Cleveland court	13 ft. x 8 ft.
Corne street at Pelham street, north side	17 ft. x 6 ft.
Corne street at Prospect Hill street	14 ft. x 14 ft.
Cranston avenue	17 ft. x 6 ft.
Cranston avenue at Lincoln street	30 ft. x 6 ft.
Duke street at Marlborough street	18 ft. x 10 ft.
Elm street at Third street	24 ft. x 7 ft.
Farewell street at Appleby street	19 ft. x 8 ft.
Farewell street at Covell street	14 ft. x 8 ft.
Farewell street at Marlborough street	29 ft. x 4 ft.
Farewell street at Warner street, east side	27 ft. x 9 ft.
Greenough place at Catherine street	60 ft. x 9 ft.
Kay street at Touro street	38 ft. 6 in. x 9 ft. 8 in.
LaSalle place at Third street	17 ft. x 6 ft.
Maitland court at Third street	20 ft. x 6 ft.

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Marlborough street at Farewell street	27 ft. x 8 ft.
Marlborough street at Thames street	39 ft. x 4 ft.
Marlborough street at West Broadway	27 ft. x 9 ft.
Meeting street at Marlborough street	20 ft. x 4 ft.
Narragansett avenue at Spring street	40 ft. 8 in. x 4 ft. 8 in.
Pine street at Third street	23 ft. x 6 ft.
Poplar street at Thames street	18 ft. x 7 ft.
Sunshine court at Third street	21 ft. x 17 ft.
Third street at Elm street	24 ft. x 7 ft.
Walnut street at Third street	24 ft. x 5 ft.
Walnut street at Washington street	18 ft. x 8 ft.
Warner street at Burnside avenue	20 ft. x 8 ft.
Warner street at Island Cemetery	12 ft. x 6 ft.
Warner street at St. Mary's Cemetery	23 ft. x 6 ft.
Washington street at Chestnut street	24 ft. x 8 ft.
White street at Farewell street	14 ft. x 5 ft.
Willow street at Second street	21 ft. x 6 ft.
Willow street at Washington street	19 ft. x 6 ft.

New Granite Gutters

		Sq. yds.
Chase street	210 ft. x 2 ft. 5 in	56
Extension street, Thames street, west	276 ft. x 2 ft.	61.3
Extension street, Thames street, west	146 ft. x 2 ft. 9 in.	45.1
Feke street	193 ft. x 2 ft.	43
Grafton street	1,131 ft. 7 in. x 2 in.	251.4
Houston avenue	1,287 ft. 4 in. x 2 ft.	286
Old Beach road	123 ft. x 2 ft.	27.3
	3,366 ft. 11 in.	770.1
Annandale road, east side	418 ft. x 2 ft.	92.9
	3,784 ft. 11 in.	863

Gutters Repaved

Battery street	176 ft. x 2 ft.
Bay View avenue	280 ft. x 2 ft.
Bellevue avenue at LeRoy avenue, north side	600 ft. x 2 ft.
Bellevue avenue at LeRoy avenue, south side	31 ft. x 2 ft.
Broadway at Clinton avenue	17 ft. x 2 ft.
Broadway, Pleasant street to Malbone avenue	196 ft. x 2 ft.
Cherry street	117 ft. x 2 ft.
Church street, Thames street to Spring street	560 ft. x 2 ft. 6 in.
Clark street	170 ft. x 2 ft. 6 in.
Cleveland court	13 ft. x 1 ft. 6 in.
Corne street, Pelham street, north	20 ft. x 2 ft.

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Corne street, Pelham street, south	224 ft. x 2 ft.
Covell street	210 ft. x 2 ft.
Cranston avenue, north side	250 ft. x 2 ft.
Cranston avenue, south side	700 ft. x 2 ft.
Edward street, Covell street to White street	38 ft. x 2 ft.
Everett street, Broadway to Kay street, north side	350 ft. x.2 ft.
Everett street, Broadway to Kay street, south side	959 ft. x 2 ft.
Farewell street, Appleby street to Warner street	150 ft. x 2 ft.
Feke street	12 ft. x 2 ft.
Gould street, north side	650 ft. x 2 ft.
Gould street, south side	1200 ft. x 2 ft.
Green street, south side	200 ft. x 2 ft.
Lincoln street, east side	156 ft. x 2 ft.
Lincoln street, west side	228 ft. x 2 ft.
Malbone avenue	300 ft. x 2 ft.
Marlborough street west of Farewell street, north side	200 ft. x 2 ft. 6 in.
Marlborough street west of Farewell street, south side	476 ft. x 2 ft. 6 in.
Marlborough street east of Farewell street	323 ft. x 2 ft.
Mary street, Spring street west, north side	122 ft. x 2 ft.
Mary street, Spring street west, south side	220 ft. x 2 ft.
Newport avenue, south side	200 ft. x 2 ft.
Pelham street, Spring street east, north side	282 ft. x 2 ft. 6 in.
Pelham street, Spring street west, north side	395 ft. x 2 ft. 6 in.
Pelham street, Spring street east, south side	227 ft. x 2 ft.
Pelham street, Spring street west, south side	273 ft. x 2 ft. 6 in.
Poplar street, near Thames street	20 ft. x 2 ft. 6 in.
Poplar street, Fourth street east	64 ft. x 2 ft.
Poplar street, Fourth street west, north side	275 ft. x 2 ft.
Poplar street, Fourth street west, south side	307 ft. x 2 ft.
Poplar street, Second to Third street, north side	126 ft. x 2 ft.
Poplar street, Second to Third street, south side	208 ft. x 2 ft.
Poplar street, Second to Washington, north side	163 ft. x 2 ft.
Poplar street, Second to Washington, south side	250 ft. x 2 ft.
Powel avenue at No. 42, north side	197 ft. x 2 ft.
Third street, Bridge to Elm street, east side	214 ft. x 2 ft.
Third street at Elm street	24 ft. x 2 ft.
Third street, Elm to Poplar street, east side	211 ft. x 2 ft.
Third street, Poplar to Willow street, east side	211 ft. x 2 ft.
Third street, Willow to Walnut street, east side	211 ft. x 2 ft.
Third street, Walnut to Cherry street, east side	433 ft. x 2 ft.
Third street, Cherry to Sunshine court, east side	378 ft. x 2 ft.
Third street, Sunshine to LaSalle, east side	250 ft. x 2 ft.
Third street, LaSalle place to Maitland court	124 ft. x 2 ft.

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Third street, Bridge to Elm street, west side	210 ft. x 2 ft.
Third street, Elm to Poplar street, west side	210 ft. x 2 ft.
Third street, Poplar to Willow street, west side	128 ft. x 2 ft.
Third street, Chestnut to Cherry street, west side	217 ft. x 2 ft.
Third street, Walnut to Chestnut street, west side	100 ft. x 2 ft.
Third street, Cherry to Pine street, west side	250 ft. x 2 ft.
Third street, Pine to Battery street, west side	150 ft. x 2 ft.
Warner street at Burnside avenue	170 ft. x 2 ft.
Washington street, Bridge to Poplar, east side	350 ft. x 2 ft.
Washington street, Bridge to Poplar, west side	250 ft. x 2 ft.
Washington street, Cherry street, south, west side	332 ft. x 2 ft.
Washington street, Willow street, north, east side	169 ft. x 2 ft.
Washington street, Chestnut street north, east side	152 ft. x 2 ft.
Washington street, Cherry street south, east side	18 ft. x 2 ft.
Washington street, north from No. 75, east side	71 ft. x 2 ft.
White street	14 ft. x 3 ft.
Willow street north side at Zabriskie's stable	80 ft. x 2 ft.

New Granite Curb

Annandale road, Merton road to Dresser street	418 ft.	
Extension street, Thames street west	251 ft.	
Feke street	193 ft.	6 in.
Grafton street	1,131 ft.	7 in.
Houston avenue, Wellington avenue south	1,264 ft.	10 in.
Mason court	7 ft.	
Old Beach road, State street east	55 ft.	
	3,320 ft.	11 in.

Curbs Re-set

Battery street	176 ft.
Bay View avenue	200 ft.
Bellevue avenue, LeRoy avenue north	38 ft.
Broadway at Clinton avenue	17 ft.
Broadway, Friendship street to Bliss road	189 ft.
Catherine street, No. 37 to No. 41	300 ft.
Cherry street (Granite)	117 ft.
Corne street	224 ft.
Cranston avenue, north side	200 ft.
Cranston avenue, south side	200 ft.
Edward street, Covell street to White street (granolithic)	23 ft.
Everett street, Kay street east, north side (granite)	55 ft.
Everett street, Kay street west, north side (granite)	512 ft.
Everett street, Kay street west, south side (granite)	600 ft.
Feke street (granolithic)	10 ft.
Green street, south side	200 ft.

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Lincoln street, east side	100 ft.
Lincoln street, west side	200 ft.
Malbone avenue, south side (granite)	300 ft.
Marlborough street, south side	60 ft.
Mary street	30 ft.
Newport avenue, south side	200 ft.
Old Beach road, Tew's court west	46 ft.
Pelham street, Spring street east, north side	32 ft.
Pelham street, Spring street east, South side	177 ft.
Pelham street, Spring street west, north side	273 ft.
Pelham street, Spring street west, south side	45 ft.
Poplar street, Fourth street west	307 ft.
Poplar street, Second street to Third street, south side	208 ft.
Poplar street, Second street to Washington street, south side	250 ft.
Third street, Bridge street to Elm street, west side	210 ft.
Third street, Elm street to Poplar street, west side	210 ft.
Third street, Poplar street to Willow street, west side	128 ft.
Third street, Chestnut street to Cherry street, west side	217 ft.
Third street, Walnut street to Chestnut street, west side	100 ft.
Third street, Chestnut street to Pine street, west side	250 ft.
Third street, Pine street to Battery street	150 ft.
Washington street, Bridge to Poplar street, east side	350 ft.
Washington street, Bridge to Poplar street, west side	250 ft.
Washington street, Cherry street south, west side	308 ft.
Washington street, Willow street north, east side	169 ft.
Washington street, Chestnut street north, east side	152 ft.
Washington street, Cherry street south, east side	18 ft.
Washington street, No. 75 north, east side	71 ft.
Willow street, north side at Zabriskie's stable	80 ft.
	7,952 ft.

Streets Patched.

Ann street, Annandale road, Bateman avenue, Bath road, Bellevue avenue, Berkeley avenue, Bowery street, Branch street, Bridge street, Brinley street, Broadway, Brooks avenue, Caleb Earl street, Callender avenue, Calvert street, Carey street, Carroll avenue, Catherine street, Channing street, Charles street, Chastellux avenue, Church street, Cliff avenue, Coddington wharf, Coggeshall avenue, Collins street, Connection street, Cottage street, Court House street, Cross street, Dresser street, East Bowery street, Elm street, Farewell street, Franklin street, Friendship street, Gibbs avenue, Halidon avenue, Hall avenue, Halsey street, Harrison avenue, Hope street, Houston avenue, Hozier street, Kay street, Ledge road, LeRoy avenue, Levin street, Malbone avenue, Marchant street, Market square, Marlborough street, Mary street, Meeting street, Morgan court, Mor-

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ton avenue, Narragansett avenue, Newport avenue, Oak street, Ochre Point avenue, Old Beach Road, Old Fort road, Pearl street, Pelham street, Pleasant street, Pope street, Poplar street, Powel avenue, Prescott Hall road, Red Cross avenue, Rhode Island avenue, Roseneath avenue, Ruggles avenue, Second street, Spruce street, State street, Summer street, Thames street, Third street, Thomas street, Tilden avenue, Tilley avenue, Touro street, Van Zandt avenue, Warner street, Washington square, Washington street, Water Works road, Wellington avenue, West Broadway, West Marlborough street, Wheatland avenue, William street, Young street.

Streets Turnpiked.

		Sq. Yds.
Gillies court	130 ft. x 18 ft.	260
Guerney court	200 ft. x 22 ft.	488.8
Hoffman place	200 ft. x 17 ft.	377.7
Ledyard place	800 ft. x 20 ft.	1777.7
Pearl street	160 ft. x 19 ft.	337.7
Peckham avenue	100 ft. x 25 ft.	277.7
	1,590 ft.	3,519.6

New Granolithic Sidewalks.

	Sq. Yde.
Thames street at St. Clare Home	16.3
Mary street at Y. M. C. A	57.9
	74.2

New Flag Walks.

		Sq. Yds.
Chase street	205 ft. x 2 ft.	45.5
Extension street, Thames street west, north side	146 ft. x 2 ft.	32.4
	351 ft.	77.9

New Sidewalks with Grass Borders.

		Sq. Yds.
Harrison avenue	990 ft. x 6 ft.	660
Harrison avenue	700 ft. x 6 ft.	466
Ledyard place	870 ft. x 6 ft.	580
	2,560 ft.	1,706

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Sidewalk Repairs.

Flagstone:		Sq. Yds.
Ann street	60 ft. x 5 ft. 6 in.	36.6
Bull street	50 ft. x 6 ft.	33.3
Bridge street	40 ft. x 6 ft.	26.6
Broadway at Clinton avenue	60 ft. x 9 ft.	60
Covell street	210 ft. x 2 ft.	46.6
Houston avenue	650 ft. x 2 ft.	144.4
Howard street	29 ft. x 4 ft.	12.8
Pelham street at Channing Church	77 ft. x 7 ft. 6 in.	64
Spring street corner Howard street	60 ft. x 7 ft.	46.6
Spring street, corner Fountain street	55 ft. x 6 ft.	36.6
Spring street, Howard to Young St	75 ft. x 7 ft. 6 in.	62.5
Thames street, Marlborough St., north	6 ft. x 3 ft.	2
Thames street, corner Sanford street	41 ft. x 5 ft.	22.7
Thames street, at No. 102	12 ft. x 4 ft.	5.3
Third street, at No. 14	37 ft. x 6 ft.	24.6
Washington street, corner Chestnut street, west side	104 ft. x 7 ft.	80.8
Washington street, corner Willow St., east side	160 ft. x 3 ft.	53.3
William street, Bellevue avenue west, south side	30 ft. x 5 ft.	16.6
Willow street, north side	80 ft. x 3 ft.	26.4
	1836 ft.	801.7

Brick:		Sq. Yds.
Bellevue avenue, at Abram Block	90 ft. x 9 ft.	90.
Bellevue avenue, at Fadden Block	100 ft. x 9 ft.	100
Bowery street	80 ft. x 6 ft.	53.3
Broadway, at Downing's	14 ft. x 9 ft.	14
Corne street, Pelham south, east side	31 ft. x 4 ft. 6 in.	15.5
Corne street, Pelham south, west side	12 ft. x 7 ft.	9.3
Marlborough street, at Friends' church	200 ft. x 9 ft.	200
Pelham street, Spring street east, north side	294 ft. x 8 ft. 6 in.	277.7
Pelham street, Spring street east, south side	300 ft. x 7 ft.	233.3
Pelham street, Spring street west. north side	45 ft. x 8 ft.	40
Pelham street, Spring street west, south side	220 ft. x 7 ft. 6 in.	183
Spring street, corner Bowery street	25 ft. x 8 ft.	22.2
Thames street, Marlborough street, north	212 ft. x 6 ft.	141.3

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Thames street, between Howard and Milburn court	50 ft. x 9 ft.	50
Thames street, corner South Baptist street	8 ft. x 5 ft.	4.4
Thames street, corner Spring wharf	48 ft. x 6 ft. 6 in.	34.6
Thames street, at N. E. Commercial Bank	22 ft. x 8 ft. 6 in.	20.7
	1751 ft.	1489.3

Plank:		Sq. Yds.
Whitfield court	52 ft. x 3 ft.	17.3

Granolithic:		Sq. Yds.
Bath road, at Dr. Matherson's		4
Levin street		1
		5

Asphalt Blocks:		Sq. Yds.
Bath road, at Easton's Beach	120 ft. x 6 ft. 6 in.	86.6
Thames street, corner Extension St.	31 ft. x 7 ft.	24.1
	151 ft.	110.7

Cinders:		Sq. Yds.
Brewer street	225 ft. x 4 ft.	100
Broadway, Ayrault street, north	50 ft. x 14 ft.	77.7
Burnside avenue	825 ft. x 3 ft.	275
Clinton avenue	680 ft. x 4 ft.	302.2
East Bowery street	100 ft. x 4 ft.	44.4
Edward street	450 ft. x 5 ft.	250
Equality Park place	50 ft. x 9 ft.	50
Feke street	300 ft. x 4 ft.	133.3
	2680 ft.	1232.6

Crushed Stone:		Sq. Yds.
Bellevue avenue	210 ft. x 6 ft.	140
John street, at Gilpin's	75 ft. x 5 ft.	41.6
Oak street	120 ft. x 5 ft.	66.6
Poplar street	45 ft. x 5 ft.	25
Slocum street	50 ft. x 6 ft.	33.3
Spruce street	25 ft. x 8 ft.	22.2
Third street, Cypress street, north	475 ft. x 4 ft.	211
	1000 ft.	539.7

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Dirt:		Sq. Yds.
Barney street	250 ft. x 4 ft.	111.1
Carroll avenue, Morton avenue, south	110 ft. x 11 ft.	134.4
Carroll avenue, Ruggles avenue, south	675 ft. x 5 ft.	375
Cliff avenue	520 ft. x 6 ft.	346.6
Coddington street	450 ft. x 4 ft.	200
Covell street	210 ft. x 3 ft.	70
Dartmouth street	150 ft. x 5 ft.	83.3
Easton's Beach road	100 ft. x 8 ft.	88.8
Green street	220 ft. x 3 ft.	73.3
Hammond street	350 ft. x 2 ft.	77.7
Holland street	325 ft. x 5 ft.	180.5
Kay street	42 ft. x 8 ft.	37.3
Lee aveuue, Thames street east	250 ft. x 6 ft. 6 in.	180.5
Marlborough street	168 ft. x 4 ft.	74.6
Mill street	150 ft. x 4 ft.	66.6
Narragansett avenue, at DeLancey Kane's, north side	500 ft. x 6 ft.	333.3
Perry street	255 ft. x 4 ft.	100
Prairie avenue	134 ft. x 8 ft.	119
Warner street	825 ft. x 4 ft.	366.6
Wellington avenue	600 ft. x 6 ft.	400
	6284 ft.	3418.6

New Sea Wall.

Ocean avenue, Grave's Point, east..... 606 ft.
Wellington avenue, opposite Jones' estate..... 567 ft.

Sea Wall Repaired.

Ocean avenue, near Grave's Point.....9 ft. x 13 ft.

Repairing Wall, Easton's Beach.

Resetting 60 ft. coping.
Pointing 150 ft. coping.

Hazard's Beach Watering Station.

Building foundation for tank.....54 ft x 3 ft. x 12 in.

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COMPARATIVE STATEMENT OF FUEL CONSUMED BY DEPARTMENT.

	1908			1909			1910		
	Tons	Cds.	Cost	Tons	Cds.	Cost	Tons	Cds.	Cost
Cumberland Lump Coal at 8.20	107- 600		$879 94	-1000		$4 10			
Cumberland Coal at 5.25				142-1020		751 33	149-1800		787 00
Egg Coal at 6.87							109-1380		753 54
Egg Coal at 6.80				104		707 20			
Egg Coal at 6.75	80		540 00	2		13 50			
Stove Coal at 6.87							22- 104		151 50
Stove Coal at 6.80				17- 144		116 03	3-1966		27 08
Stove Coal at 6.75	25-1400		172 78	10		67 50			
Wood at 10.75					1	10 75			
Wood at 9.75								26-4	257 94
Wood at 9.25					28	259 34			
Wood at 8.50		21-5	186 14						
Wood (4 cut)		2	17 23		-2	2 81			
	213	23-5	$1796 09	276- 164	29-2	$1932 56	285-1250	26-4	$1977 06

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STREET AND HIGHWAY DEPARTMENT.

Forage consumed at City Stable during the Municipal Year of 1910.

Eleven Horses.

	Jan. lbs.	Feb. lbs.	Mar. lbs.	Apr. lbs.	May lbs.	June lbs.	July lbs.	Aug. lbs.	Sept. lbs.	Oct. lbs.	Nov. lbs.	Dec. lbs.	Total lbs.	Total bush.	Av. Cost	Total Cost
Hay.....	8,050	5,251	9,166	7,490	9,540	7,260	6,926	9,275	7,412	4,880	10,522	2,359	88,131		24.548	$1,081 76
Oats	4,790	3,200	5,400	3,464	5,108	5,176	3,424	5,212	3,776	3,520	5,200	1,752	50,022	1563-6	.597	933 90
Straw...	475	205	200	410	400	520	392	415	226	355	571		4,169		23.60	49 16
Bran	200	200	200	200	100	100		100		100	200		1,400		.0153	21 50
Salt.....								10					10		.02	20
Oil Meal.						100							100		.02	2 00
																$2,088 52

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INVENTORY OF PROPERTY BELONGING TO THE HIGHWAY DEPARTMENT.

Office.

1	Victor safe	$180 00	
1	Iron safe (City Yard office, Long wharf)	25 00	
1	Iron safe (loaned License Commissioners)	140 00	
	Furniture, clock, stoves, desk, copypress, etc.	55 00	
1	Engineer's transit	250 00	
1	Set engineer's drafting instruments	5 50	
1	Plummet lamp	5 00	
1	Exploding battery	25 00	
1	Engineer's level and rod	50 00	
			$735 50

Wharf and Stable.

1	Fairbanks scale	$50 00
10	Horses	2,000 00
3	Stone wagons	300 00
4	Dump carts	80 00
2	Two-horse steel dump carts	300 00
1	Two-horse steel dump cart (old)	25 00
3	One-horse steel dump carts	375 00
1	Double gear	75 00
1	Single gear	50 00
1	Express wagon	50 00
1	Street Sweeper	10 00
1	Two-horse roller	200 00
11	One-horse watering carts	1,100 00
9	Two-horse watering carts	1,800 00
4	Sets double harness	150 00
4	Sets cart harness	20 00
4	Sets single wagon harness	20 00
8	Waterproof covers	7 00
10	Woolen blankets	10 00
7	Baker blankets	7 00
9	Stable forks	4 50
2	Wagon jacks	1 00
3	Steam road-rollers	9,000 00
2	Stone trucks	20 00
1	Patrol wagon	2 00
9	Iron wheelbarrows	91 00
2	Lawn mowers	5 00
2	Wooden wheelbarrows	3 00
1	Derrick, complete	150 00

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1	Controlling nozzle and pipe	$10 00
6	Spanner wrenches	2 50
9	Hydrant wrenches	9 00
2	Ship pumps and hose (50 ft.)	75 00
75	Lanterns and globes	37 50
1	Gravel screen	6 00
1	Tree pruner	1 00
9	Ice picks	2 25
2	Cast iron stoves	25 00
3	Jack screws	6 00
1	Asphalt pot	3 00
2	Babbitt pots	2 00
2	Tar kettles on wheels	266 00
3	Claw hammers	50
2	Machinist hammers	1 00
1	Asphalt repair plant and tools, complete	400 00
6	Asphalt maddocks	6 00
3	Three-inch augers	12 00
4	Small augers	2 00
1	Set bits	2 00
1	Breast drill	2 00
4	Crosscut saws	6 00
3	Bit stocks	6 00
7	Hand saws	3 50
1	Wood saw	1 00
1	Hack saw	1 00
3	Straight edges	3 00
2	Plows	25 00
2	Stone axes	3 00
40	Cutting tools	4 00
8	Hand drills	4 00
22	Iron bars	22 00
11	Tampers	11 00
2	Iron pounders	2 00
60	Iron pins	15 00
300	Lbs. steel	24 00
4	Striking hammers	6 00
13	Sledges	19 50
2	Anvils	7 50
5	Paving pounders	5 00
31	Picks	15 50
7	Levels	3 50
6	Trench braces	18 00
2	Maddocks	1 00
5	Iron rakes	3 75
2	Tape measures	1 00

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1	Steel tape measure	$7 50
20	Guard pins and ropes	4 00
2	Manhole guards	5 00
1	Hydrant valve	2 00
4	Tool boxes	10 00
3	Sets blocks and falls	15 00
7	Stilson wrenches	7 00
14	Monkey wrenches	7 00
2	Pair chain tongs	10 00
1	Bolt cutter	50
3	Bench vices	12 00
1	Flush tank	30 00
1	24-inch manhole grates and rims	9 00
2	24-inch manhole covers and rims	19 00
2	Light iron covers	1 00
37	Long handle shovels	37 00
3	Heavy iron covers	6 00
25	Short handle shovels	18 75
1	Stone roller	25 00
6	Large axes	9 00
2	Small axes	2 00
4	Ox chains	4 00
4	Spades	4 00
4	Scythes and blades	6 00
3	Squares	3 00
1	Trowel	50
2	Rubber covers	2 00
29	Hoes	14 50
3	Pair oilskin pants	3 00
6	Pipe wrenches	3 00
3	California pumps	4 50
2	Smoothing trowels	1 50
1	Pair trimming shears	1 50
4	Pails	40
5	Iron drinking pails	2 50
2	Step ladders	2 00
2	Joiners (granolithic tools)	2 00
1	Emery wheel	5 00
1	Set wood chisels	10 00
3	Planes	6 25
4	Screw drivers	2 00
1	Set dies and taps	15 00
1	Bevel	1 00
1	Pipe cutter	1 00
1	Painter's torch	1 50
2	Sets stencils	3 00

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2 Hatchets	$1 00	
3 50-gallon oil cans	12 00	
2 Funnels	50	
2 ½-gallon measures	1 00	
1 Blacksmith portable forge	12 60	
1 Pair snips	2 00	
1 Set sewer cleaning rods and fittings	50 00	
1 Soldering iron	1 50	
1 Ratchet drill and 16 drills	18 00	
2 Iron clamps	1 00	
1 Drawing knife	1 00	
1 Extension bit	1 25	
1 Norton jack (15 ton)	48 00	
1 Extension ladder (30 feet)	3 00	
1 Ladder (18 feet)	2 00	
1 Upright self-feeding drill and 14 drills	29 00	
3 5-gallon oil cans	3 00	
		$17,510 25

Settling Tank.

1 Centrifugal pump and fittings	$300 00	
1 Hoisting engine	300 00	
1 Boiler	365 00	
		$965 00

Quarry.

1 Crusher, engine and boiler	$4,500 00	
1 Fairbanks scale	100 00	
1 Bellows	15 00	
2 Vices	10 00	
1 Anvil	7 00	
1 Chain fall	10 00	
1 Clock	3 50	
1 McKiernan steam drill and fittings	296 00	
		$4,941 50

Ocean Avenue.

1 Steam boiler, pump and tanks	$500 00	
1 Windmill (pump at yard), formerly at Bailey's beach	500 00	
		$1,000 00

Collins Beach.

1 Steam pump, boiler and tank	$500 00	$500 00

Long Wharf.

1 Steam boiler, pump and tank		300 00

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Hazard's Beach.

1 Steam boiler, pump and tank	$700 00
	$26,652 25

STATEMENT OF CASH RECEIVED AND DEPOSITED WITH THE CITY TREASURER DURING THE MUNICIPAL YEAR OF 1910.

General Fund.		Highway Fund.	
Wharfage	$309 08	Labor	$198 17
Weighing	120 80	Materials	106 13
Permits	105 00	Relaying roadbeds	514 03
Street Sweepings	352 50	Use pump	83 00
Manure	28 50	Use of iron cart	2 00
Old Stone	31 95	Cleaning streets	60
Junk	112 00	Applying dustoline	320 00
Old crusher parts	163 30	Spraying trees	3 82
Empty barrels	4 95	Brush returned	2 50
	$1,228 08		$1,230 25

RECEIPTS AND EXPENDITURES OF STREETS AND HIGHWAYS FOR THE MUNICIPAL YEAR OF 1910.

Receipts.

Appropriation	$128,494 50
Appropriation	350 00
Appropriation, Increase Wage	5,000 00
Cash received and deposited with the City Treasurer to the credit of the Highway Fund, as per above statement	1,230 25
	$135,074 75

Disbursements.

Paid for labor	$95,790 90
Paid for materials	27,033 90
Balance unexpended	12,249 95
	$135,074 75

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STATEMENT SHOWING APPROPRIATIONS, INCREASE WAGE, DEPOSITS WITH CITY TREASURER, DISBURSEMENTS AND BALANCES OF THE STREET AND HIGHWAY DEPARTMENT DURING THE MUNICIPAL YEAR OF 1910.

	Appropriation	Increase Wage	Deposit City Treas.	Total Appro.	Disbursements	Balances
a—Office and City Wharf	$2,250 00	$59 00	$2 50	$2,311 50	$2,310 57	$ 93
b—Cleaning streets	28,200 00	1,920 22	60	30,120 82	29,506 76	614 06
c—Removal of snow and ice	3,500 00	4 65		3,504 65	3,363 95	140 70
d—Watering and applying dustlayers	13,500 00	328 29	320 00	14,148 29	13,000 26	1,148 03
e—Cleaning and repairing sewers, etc	4,200 00	128 15		4,328 15	3,464 08	864 07
f—Patching and general repairs to streets and sidewalks	10,000 00	434 38	56 65	10,491 03	10,145 66	345 37
g—Building, repairing and cleaning catch basins	4,000 00	160 43		4,160 43	3,523 18	637 25
h—Re-surfacing and re-macadamizing streets	12,000 00	538 82	200 00	12,738 82	12,550 17	188 65
i—Re-setting curbs, re-laying gutters, driveways, crossings, etc	5,000 00	272 77		5,272 77	5,262 03	10 74
j—Cleaning, repairing, painting, etc., at Easton's Beach, Forty Steps, City fountains, bridges, piers, floats, sea walls, removing trees, etc	1,500 00	39 74	53 63	1,593 37	1,123 34	470 03
k—Repairs to City Yard buildings	500 00	4 67		504 67	503 67	1 00
l—New water tank at Hazard's Beach $300 00 Transferred from the Emergency Fund 533 69	833 69	17 57		851 26	851 26	00 00
m—One horse and one pair horses	750 00			750 00		750 00

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			Appropriation.	Increase Wage	Deposit City Treas.	Total Appro.	Disbursements	Balances
n—Emergency and miscellaneous incidentals..		$2,000 00						
Less transferred to Peckham Ave. sewer	$30 54							
Van Zandt Ave. bridge	107 97							
Hazard's Beach Water Station	533 69	672 20	1,327 80	24 40	593 05	1,945 25	1,746 29	198 96
			$87,561 49	$3,933 09	$1,226 43	$92,721 01	$87,351 22	$5,369 79

COLLECTION AND DISPOSAL OF CITY GARBAGE

Collection and disposal, (contract).....		$5,124 00			$5,124 00	$5,124 00	$00 00
Two men at dumps.....		1,252 00	$75 00		1,327 00	1,312 50	14 50
Supervision.....		260 00	12 50		272 50	272 50	00 00
Supplies, etc.....		64 00	1 95		65 95	29 69	36 26
		$6,700 00	$89 45		$6,789 45	$6,738 69	$50 76

SUPPLIES.

New parts for steam rollers Nos. 1 and 2.....		$1,194 50			$1,194 50	$1,194 50	$00 00
New modern steam roller.....	$3,800 00						
Less exchange of old roller.....	800 00	3,000 00			3,000 00	3,000 00	00 00

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UNFINISHED WORK.						
Prairie avenue, macadamize from Catherine street, north	$700 00	$39 17		$739 17	$738 09	$1 08
REPAIRS, ETC.						
Van Zandt avenue bridge $400 00 Transferred from Emergency Fund 107 97	$507 97	$ 07	$	$508 04	$508 04	$ 00 00
Van Zandt avenue pier	400 00	1 63		401 63	47 52	354 11
Extermination of tussock moth and elm beetle	200 00	9 63	3 82	213 45	199 24	14 21
NEW WORK.						
Low sea wall, Ocean avenue near Graves point	$2,000 00	$49 07		$2,049 07	$2,025 95	$ 23 12
Tews court sewer	1,300 00	39 84		1,339 84	587 21	752 63
Annandale road curb, east side, from Dresser street to Merton road	1,000 00	28 24		1,028 24	822 71	205 53
Kilburn court sewer	300 00			300 00		300 00
Wellington avenue, retaining wall	3,000 00	1 85		3,001 85	2,023 20	978 65
Carey street, build larger sewer	1,450 00			1,450 00		1,450 00
Malbone avenue and Cummings avenue, sewer	5,000 00	337 23		5,337 23	5,241 13	96 10
Gibbs avenue, macadamize, Champlin to Water Works road	500 00	24 02		524 02	514 77	9 25
Middleton avenue, macadamize, from Weaver avenue to Merton road	1,050 00	45 96		1,095 96	947 38	148 58
Gillies court, macadamize	300 00	6 86		306 86	119 24	187 62
East Bowery street, macadamize, from Middleton avenue to Annandale road	1,100 00	13 45		1,113 45	269 55	843 90
Grafton street, grade, curb and macadamize	3,000 00	93 02		3,093 02	2,820 88	272 14
Extension street, from Thames street west, curb on south side, flagwalk on south side and macadamize	1,300 00	38 67		1,338 67	1,020 50	318 17

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Broadway pavement repairs	$65 94	$9 62	$75 56
Apply tarvia quarters of roadbeds	267 29	77 67	344 96
Thames street graveling	1 70	1 54	3 24
Mary street granolithic sidewalk at Y. M. C. A. building	57 73	28 81	86 54
St. Clare Home granolithic sidewalk	33 15	10 68	43 83
Harrison avenue sidewalk, north side from Carroll avenue west	132 75		132 75
Carroll avenue sidewalk	34 82		34 82
Charles street sidewalk repairs	12 66	1 58	14 24
Marlborough street sidewalk repairs	89 14	9 44	98 58
Pelham street sidewalk repairs	316 68	35 52	352 20
Covell street flagwalk repairs	45 90	3 59	49 49
Thurston avenue flagwalk repairs	78 03	10 50	88 53
Thames street sidewalk repairs	177 82	77 25	255 07
Broadway sidewalk repairs near Clinton avenue	26 11	3 98	30 09
Whitfield court plankwalk repairs	2 75	11 51	14 26
Gould street sidewalk repairs	27 33	80	28 13
Brewer street sidewalk repairs	12 95	79	13 74
Ann street sidewalk repairs	20 45	94	21 39
North Baptist street sidewalk repairs	90 17	14 56	104 73
Spring street sidewalk repairs	52 24	1 67	53 91
Bowery street sidewalk repairs	45 39	4 79	50 18
William street sidewalk repairs	15 06	2 13	17 19
Peckham avenue turnpike	29 13		29 13
Princeton avenue turnpike	29 63		29 63
County street turnpike	29 62		29 62
Guerney court turnpike	26 39	1 97	28 36
Pearl street turnpike	20 37	80	21 17
Bellevue avenue sidewalk repairs at Abram's block	29 41	23 17	52 58
Bellevue avenue sidewalk repairs at Fadden's Block and to DeBlois street	86 14	37 20	123 34
Kay street sidewalk repairs in front of Dr. Sherman's	13 25		13 25
West Marlborough street sidewalk repairs	21 91	2 54	24 45
Materials on hand		48 50	48 50
Cleaning catch basins and eyeholes	2,741 20	427 68	3,168 88
Repair catch basins and eyes	204 84	60 83	265 67
Building catch basin, Harrison ave near Webster estate	11 75	6 01	17 76
Build catch basin, Downing at State street	46 60	24 27	70 87

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Third street re-surface, Walnut street, north	$609 44	$138 62	$748 06
Walnut street re-surface, Farewell, west	72 55	16 09	88 64
Farewell street resurface, Walnut, south	318 21	71 24	389 45
Harrison avenue re-surface, Anthony's Ledge to Carroll avenue	806 23	157 69	963 92
Washington square re-surface	419 69	90 70	510 39
Third street re-surface, Walnut street, south	255 36	54 38	309 74
Poplar street re-surface, from Thames to Washington street	449 82	92 45	542 27
Warner street re-surface, Dartmouth to Malbone	304 25	67 13	371 38
West Marlborough street re-surface	399 86	84 30	484 16
Dartmouth street re-surface	203 31	44 77	248 08
Downing street re-macadamize	177 93	38 72	216 65
Rhode Island avenue re-macadamize, from Broadway, east	730 98	160 63	891 61
Hazard's Beach, build road to tank	134 50	15 33	149 83
Applying Tarvia "B" to Coggeshall avenue, from Ruggles avenue, south	43 97	88 80	132 77
Coggeshall avenue re-surface with Tarvia "B," Ruggles to Morton avenue	95 86	128 96	224 82
Gibbs avenue re-macadamize	748 39	154 87	903 26
Gould street re-macadamize	777 74	170 21	947 95
Catherine street re-macadamize, from Rhode Island avenue, east	857 80	175 17	1,032 97
Everett street re-macadamize with Tarvia "B," Broadway to Kay street	837 65	249 94	1,087 59
Everett street re-macadamize, from Kay to Francis street	391 57	84 94	476 51
Covell street re-macadamize	227 05	46 65	273 70
Washington street re-macadamize, from Battery street, south	751 58	165 60	917 18
Chase street macadamize	89 59	19 82	109 41
Measuring streets	22 00		22 00
Church street re-lay gutter	64 48	11 67	76 15
Clarke street re-lay gutter	24 41	3 86	28 27
Gould street re-lay gutters	209 27	28 39	237 66
Relaying gutters	147 00	8 99	155 99
Relaying driveways	19 82	4 69	24 51

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Relay and repair crossings	$675 04	$449 24	$1,124 28
Washington street re-set curb	325 44	37 71	363 15
Lincoln street reset curb	108 82	8 34	117 16
Mary street reset curb	64 32	12 19	76 51
Catherine street reset curb	60 37	7 20	67 57
Willow street reset curb	35 53	3 61	39 14
Cherry street reset curb	41 54	5 43	46 97
Everett street reset curb	338 48	40 00	378 48
Cranston avenue reset curb	233 85	31 21	265 06
Powel avenue relay gutter	22 56	4 03	26 59
Bellevue avenue relay gutter, from LeRoy to Webster, east side	109 46	16 30	125 76
Third street reset curb	567 05	79 35	646 40
Marlborough street relay gutter	258 47	37 55	296 02
Poplar street railroad crossing		17 09	17 09
Mason court curb cor. Thames street	5 86	3 89	9 75
Old Beach Road curb, south side, from State street, east	107 23	76 25	183 48
Poplar street reset curb	219 58	24 23	243 81
Pelham street reset curb	213 31	23 78	237 09
Bay View avenue reset curb	41 80	5 94	47 74
Newport avenue reset curb	47 46	4 93	52 39
Malbone avenue reset curb	66 56	6 55	73 11
Corne street reset curb	74 60	5 26	79 86
Green street reset curb and gutter	89 81	13 31	103 12
Edward street relay granolithic curb	14 75		14 75
Broadway relay gutter	69 93	6 05	75 98
Warner street relay gutter	25 63	3 15	28 78
Clean and repair fountains	79 50	130 30	209 80
Easton's Beach, clean roadway, etc.	439 56	30 40	469 96
Trimming Trees	9 03	2 37	11 40
Forty Steps repairs	22 75	41 45	64 20
Green Bridge repairs, Ocean avenue	11 00	2 25	13 25
Bedlow avenue bridge repairs	4 45	11 54	15 99
Walnut street bridge, repair sidewalk	3 07	1 12	4 19
Easton's Beach bridge repairs	33 04	74 22	107 26
Ann street pier repairs	33 95	24 91	58 86
Elm street pier repairs	68 43	68 23	136 66
Poplar street brow repairs	2 75	10 27	13 02
Repair floats, Long wharf		1 66	1 66
City Yard, repair fence	4 75	14 84	19 59
City wharf repairs	4 17	2 37	6 54
City Yard, repair scales	5 50	16 86	22 36
Office Building repairs, City Yard	2 75	350 00	352 75
City Stable repairs, City Yard	70 78	31 65	102 43
Hazard's Beach Watering Station	302 38	548 88	851 26

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Miscellaneous Incidentals.....	$	$641 94	$641 94
Newport School Department, Play Ground Department, building gymnasium appliances.....	68 28	19 39	87 67
Stable roof repairs, City Yard.....	5 50	9 35	14 85
City Yard, building office foundation	163 76	75 89	239 65
City Yard, repair plumbing, scales, etc.....	29 75	24 48	54 23
Charged to abutters.....	65 59	35 17	100 76
Repair sea wall, Ocean avenue.....	223 90	47 00	270 90
Park Commission, spraying trees....	23 01		23 01
Collection and disposal City garbage.	6,709 00	1 35	6,710 35
Wellington avenue dump.....	15 95	96	16 91
Anthony's Ledge dump.....	11 43		11 43
New steam Road Roller and supplies for rollers.....		4,194 50	4,194 50
Malbone avenue sewer.....	3,752 39	1,488 74	5,241 13
Peckham avenue sewer.....	306 64	41 81	348 45
Tew's court sewer.....	448 09	139 12	587 21
Gillies court macadamize.....	101 23	18 01	119 24
Ledyard place macadamize.....	943 14	134 86	1,078 00
Prairie avenue macadamize from Catherine street, north.....	610 38	127 71	738 09
Annandale road curb east side, from Dresser street to Merton road...	382 67	440 04	822 71
Grafton street, grade, curb and macadamize.....	1,522 17	1,298 71	2,820 88
Houston avenue, grade curb and macadamize.....	2,084 55	1,456 25	3,540 80
Hoffman place, macadamize and sidewalks.....	196 83	30 52	227 35
Extension street, curb south side, flagwalk north side and macadam....	561 88	458 62	1,020 50
Feke street, curb one side and macadamize.....	370 75	249 08	619 83
Chase street flagwalk and gutter.....	238 81	278 24	517 05
Van Zandt avenue pier repairs.....	30 16	17 36	47 52
Van Zandt avenue bridge repairs.....	15 42	492 62	508 04
Extermination of Tussock Moth and Elm Beetle.....	199 00	24	199 24
Ocean avenue sea wall near Graves Point.....	1,645 55	380 40	2,025 95
Gibbs avenue macadamize from Champlin to Water Works road.....	426 42	88 35	514 77
East Bowery street, macadamize from Middleton to Annandale road....	219 59	49 96	269 55

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Middleton avenue macadamize, from Weaver avenue to Merton road..	$771 08	$176 30	$947 38
Oakwood Terrace macadamize.....	267 96	55 54	323 50
Wellington avenue retaining wall....	1,701 56	321 64	2,023 20
	$95,790 90	$27,033 90	$122,824 80

DETAIL OF EXPENDITURES ON STREETS AND HIGHWAYS FOR THE MUNICIPAL YEAR OF 1910.

January

1	Queen & Co., Ltd., muslin paper.....	$5 17
2	W. M. Harris & Co., lumber.....	17 09
3	Dr. J. G. Lesure, horse medicine.....	16 00
4	Ward Printing Co., printing.....	3 50
5	Newport Paper & Grocery Co., toilet.....	84
6	C. A. Hilcken, binding yearly reports.....	1 00
7	The Congdon & Carpenter Co., seat springs.....	10 20
8	Providence Telephone Co., telephone service.....	22 00
9	Stephen L. Goddard, repairing fountain.....	5 70
10	The Birmingham Pen Co., pens, etc.....	2 25
11	Perrin, Seamans & Co., bolts, etc.....	18 67
12	James J. Dugan, garbage.....	405 65
13	George T. King, labor at dump.....	52 00
14	Cornelius Harrington, labor at dump.....	52 00
15	N. Y. N. H. & H. R. R. Co., freight.....	27
16	George A. Weaver Co., screen, etc.....	12 58
17	City Sealer, sealing wagon scales.....	1 00
18	A. & H. G. Hammett, lumber.....	12 64
19	Charles S. Goddard, sharpening tools.....	30 15
20	Wm. B. Scott & Co., brooms, etc.....	38 20
21	John M. Friend, cement.....	8 85
22	Edward S. Peckham, fuel.....	27 08
23	S. W. Coggeshall, marlin, etc.....	4 03
24	George H. Carr, paper, etc.....	2 50
25	Simon Hart, office supplies.....	5 45
26	Ralph R. Barker, paint, etc.....	2 70
27	James J. Dugan, gravel.....	5 81
28	Freights, etc.....	4 30
29	J. J. Connell, kerosene.....	6 50
30	M. F. Shea, tires.....	95 00
31	M. Kennedy, shoeing.....	2 50
32	Daniel Beard, shoeing.....	9 00
33	John E. Leddy, shoeing.....	4 50

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34	Shreenan & Sullivan, shoeing	$4 50
35	Peter F. Clark & Co., shoeing,	9 00
36	George Callahan, shoeing	6 39
37	O. R. Braman, harness repairs	6 35
38	H. L. Marsh & Co., forage	106 85
39	Dennis Shanahan, forage	84 13
40	The Milne Printery, order books,	7 00
	Pay Rolls	3,111 60
		$4,220 95

February.

41	Municipal Journal, subscription	$3 00
42	Studebaker Bros. Company, packing, etc.	24 15
43	Buffalo Steam Roller Co., rear axle bracket	40 00
44	Walworth Manufacturing Co., air cocks, etc.	5 39
45	John Gladding, Jr., printing	9 50
46	Wm. P. Clarke, ink	1 00
47	George W. Callahan, shoeing	2 50
48	Boston & Lockport Block Co., diaphragms	10 80
49	James J. Dugan, garbage	405 65
50	George T. King, labor at dump	48 00
51	Cornelius Harrington, labor at dump	48 00
52	S. T. H. Ailman, office supplies	1 05
53	Express, etc.	3 72
54	Wm. B. Scott & Company, gasoline, etc	64
55	Heirs of George Bowen, fuel	20 47
56	Newport Foundry & Machine Corp	20 00
57	Ralph R. Barker, paint, etc.	11 00
58	Simon Hart, office supplies	1 55
59	A. & H. G. Hammett, lumber	17 34
60	Dennis Shanahan, forage	45 12
61	J. G. Stevens, forage	85 27
62	S. W. Coggeshall, scoop, etc	3 21
63	George A. Weaver Company, bolts, etc	4 16
64	Wright Brothers, paint	3 13
65	Henry H. Lawton, bit, etc	5 10
66	W. F. Gratrix, soap, etc	1 60
67	Charles S. Goddard, repair carts, etc	3 90
68	P. F. Clark & Company, shoeing	4 50
69	Shreenan & Sullivan, shoeing	7 50
70	Daniel Beard, shoeing	9 00
71	Daniel J. Sullivan, shoeing	4 75
72	P. M. Shea, shoeing	5 75
73	Phineas Clark, cart repairs	15 33
74	M. F. Shea, tires, etc	20 00

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75	Alex J. Fludder, pipe	$1 20
	Pay rolls	2,022 86
		$7,137 09

March.

76	Harold L. Bond Company, couplings, etc	72 86
77	Newport Gas Light Company, gas	77
78	Remington Typewriter Company, ribbon coupons	7 60
79	James McBride, ointment	6 00
80	Main Belting Company, belting	56 65
81	Newport Paper & Grocery Company, toilet	84
82	Remington Ward, printing	3 50
83	Newport Foundry & Machine Corp., shaft, labor, etc.	22 26
84	Buffalo Steam Roller Company, grate bars	28 00
85	George A. Weaver Company, rope, etc	12 05
86	James J. Dugan, garbage	405 65
87	George T. King, labor at dump	54 00
88	Cornelius Harrington, labor at dump	54 00
89	C. E. Clarke, filing saws	50
90	N. Y., N. H. & H. R. R. Co., freight	57
91	The Milne Printery, printing	2 50
92	Harry L. DeBlois, street hoes	18 00
93	Richard F. Walsh, cart repairs	16 75
94	Phineas Clark, cart repairs	160 85
95	Newport Foundry & Machine Corp., babbitt	12 50
96	Heirs of George Bowen, fuel	44 30
97	Daniel Beard, shoeing	4 50
98	P. M. Shea, shoeing	4 75
99	Wm. B. Scott & Company, brooms, etc	86 50
100	Winsor Cement Company, cement	124 00
101	Alex. J. Fludder, pipe	22 64
102	Express, etc	16 21
103	S.W. Coggeshall, shovels, etc	32 37
104	Wm. K. Covell, watering pot repaired	37
105	J. M. K. Southwick, rope, etc	3 51
106	W. L. Nordling, oil	4 05
107	J. G. Stevens, forage	219 26
108	The Peckham Company, princess metallic	30
109	Ralph R. Barker, varnish, etc	7 95
110	Daniel J. Sullivan, shoeing	4 75
111	Downing Brothers, witch hazel	75
112	Shreenan & Sullivan, shoeing	4 50
113	Peter F. Clark & Company, shoeing	5 00
114	Charles S. Goddard, straps, irons, etc	7 50
115	J. Irving Shepley, iron	45

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116	Wright Brothers, turpentine, etc	$2 00
117	Mercury Publishing Company, printing	5 00
118	M. F. Shea, repair rail, Easton's Beach	27 54
119	J. D. Johnston, lumber and milling	4 61
120	A. & H. G. Hammett, lumber and cement	67 29
121	N. Y., N. H. & H. R. R. Co., freight	47 45
122	J. Stacy Brown, stone	19 90
123	Newport Foundry & Machine Corp., babbitt, etc	7 88
	Pay rolls	2,830 63
		$11,678 90

April.

124	Sch. Lizzie D. Small, John Latty, Master, freight, etc	$320 04
125	Walworth Manufacturing Company	1 81
126	Ward Printing Company, printing	37 00
127	Providence Telephone Company, telephone service	23 69
128	American Brake Shoe & Foundry Company, concaves	85 00
129	Buffalo Steam Roller Company, steam roller	3,000 00
130	James P. Taylor, oil hat	50
131	McKiernan Drill Company, steam chest complete	14 04
132	The Congdon & Carpenter Company, iron	16 35
133	Waters Governor Company, gear and disk	2 70
134	Buffalo Steam Roller Company, roller supplies	1,194 50
135	Harold L. Bond Company, leading wire, etc	7 60
136	James H. Hart, smoke stacks, etc	23 60
137	James J. Dugan, garbage	405 65
138	George T. King, labor at dump	56 75
139	Cornelius Harrington, labor at dump	56 75
140	Alex J. Fludder, pipe	160 44
141	George A. Weaver Company, broom handles, etc	11 13
142	A. & H. G. Hammett, lumber	20 20
143	John J. Connell, kerosene	4 50
144	James S. Ramlose, repairs to rubber boots	1 75
145	Simon Hart, office supplies	65
146	Wm. B. Scott & Company, shovels, etc	37 85
147	George Stanhope, salt, etc	55
148	Henry Biesel & Son, reins, etc	9 80
149	P. F. Clark & Company, shoeing	4 50
150	M. Kennedy, shoeing	5 00
151	Dudley P. Bacheller, re-set tire, etc	90
152	Robert W. Curry, spruce	1 35
153	Ralph R. Barker, oil	40
154	J. T. O'Connell, rope, etc	1 52
155	Charles S. Goddard, sharpening tools	4 20

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156	C. E. Clarke, filing saws	$1 25
157	W. L. Nordling, kerosene	4 50
158	Hooper, Havey & Company, curb	1,166 34
159	Jos. P. Cotton, discharging curb	180 00
160	Newport Foundry & Machine Corp., packing, etc	34 27
161	S. W. Coggeshall, salarine, etc	5 03
162	J. M. K. Southwick, dynamite, etc	44 30
163	J. B. F. Smith, oil	5 00
164	George H. Carr, time books, etc	4 18
165	Wright Brothers, bronzite and oil	17 00
166	J. G. Stevens, forage	165 06
167	Daniel Beard, shoeing	4 50
168	Shreenan & Sullivan, shoeing	4 50
169	Daniel J. Sullivan, shoeing	5 20
170	C. F. D. Fayerweateer, sharpening tools	30
171	Phineas Clark, steel, etc	14 09
172	M. F. Shea, bolts, etc	21 02
173	S. T. H. Ailman, envelopes, etc	1 25
174	Stephen L. Goddard, repair faucet	2 00
175	Heirs of George Bowen, fuel	244 44
176	Downing Brothers, witch hazel	75
177	Express, etc	2 11
178	Michael F. Sullivan, cartage crushed stone	229 49
179	J. Stacy Brown, stone	80 66
180	J. K. Sullivan, gravel	44 91
181	James H. Hart, smoke stack	8 00
182	Remington Ward, printing	8 00
	Pay rolls	6,779 13
		$26,266 90

May.

183	Hudson River Blue Stone Company, flagstone	$530 13
184	Buffalo Steam Roller Company, quadrant, etc	3 75
185	P. M. Shea, shoeing	8 76
186	W. M. Harris & Company, pine	58 61
187	New England Navigation Company, labor, etc	13 07
188	Kee Lox Manufacturing Company, manuscript covers	1 00
189	Newport Paper & Grocery Company, toilet	84
190	Newport Water Works, changing standpipe	39 36
191	Congdon & Carpenter Company, steel	9 62
192	N. Y., N. H. & H. R. R. Co., freight	6 19
193	George A. Weaver Company, cart, tools, etc	17 25
194	Providence Telephone Company, toll calls	2 35
195	James J. Dugan, garbage	405 65

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196	George T. King, labor at dump	$58 50
197	Cornelius Harrington, labor at dump	58 50
198	Frank E. Fitts Manufacturing & Supply Co., belt dressing, waste	57 70
199	Wm. B. Scott & Company, wire spikes, etc	3 60
200	John M. Taylor, City Treasurer, stamped envelopes	10 92
201	S. T. H. Ailman, pencils and pads	1 60
202	City Sealer, adjusting scales at crusher and city yard	3 00
203	Daniel Beard, shoeing	4 50
204	John H. Wetherell, use of wagon	15 00
205	Harold L. Bond Company, bucket bolts, etc	20 67
206	Heirs of George Bowen, fuel	275 19
207	Remington Ward, printing	7 50
208	Harry L. DeBlois, street hoes	12 00
209	Freight, express, etc	7 72
210	Ward Printing Company, printing	4 00
211	Wright Brothers, bronzite, etc	10 60
212	George H. Chase, blue prints	85
213	Wm. H. King, repairing coupling	75
214	Jas. H. Hart, repair oil can	50
215	S. W. Coggeshall, spades, scythes, etc	11 74
216	Jacob Mohr, sharpening tools	1 82
217	Charles S. Goddard, sharpening tools	8 53
218	Barker Brothers Company, globe valve	3 20
219	A. & H. G. Hammett, lumber, etc	41 63
220	Alex J. Fludder, pipe	5 67
221	J. M. K. Southwick, dynamite, etc	63 50
222	C. F. D. Fayerweather, sharpening tools	30
223	Wm. P. Clarke, envelopes, etc	2 05
224	J. G. Stevens, forage	219 55
225	W. L. Nordling, kerosene	4 50
226	Newport Engineering Works, grease cup	40
227	The Peckham Company, spikes, etc	3 00
228	J. D. Johnston, lumber and milling	4 43
229	Newport Foundry & Machine Corp., oils, etc	27 22
230	Ralph R. Barker, white lead, etc	3 75
231	N. Y., N. H. & H. R. R. Co., freight	3 14
232	Shreenan & Sullivan, shoeing	4 50
233	M. Kennedy, shoeing	5 00
234	P. M. Shea, shoeing	7 75
235	Peter F. Clark & Company, shoeing	4 50
236	Daniel J. Sullivan, shoeing	6 90
237	O. R. Braman, stable supplies	15 80
238	Phineas C. Clark, repair carts	5 50
239	Dalton E. Young, vaseline	15
240	D. P. Bacheller, repair buggy	2 45

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241	Downing Brothers, sulphur	$1 00
242	Stephen L. Goddard, repair fountain	11 55
243	J. K. Sullivan, gravel	152 84
244	D. J. Sullivan & Company, weighing gravel	70
245	Hooper, Havey & Company, granite blocks	115 50
246	Michael F. Sullivan, cartage crushed stone	519 97
247	J. Stacy Brown, stone	126 39
248	T. G. Owen, overhauling and modeling automobile	312 75
	Pay rolls	9,865 84
		$39,480 10

June.

249	Michael F. Sullivan, cartage crushed stone	$112 07
250	Harold L. Bond Company, sewer brush	33 25
251	N. Y., N. H. & H. R. R. Co., freight	53 18
252	McKiernan Drill Company, steam hose, etc	27 65
253	American Brake Shoe & Foundry Co., segments, etc.	84 00
254	New England Navigation Company, repair boiler	70 73
255	Buffalo Steam Roller Company, grease, etc	18 00
256	Scannevin & Potter, pipe	85 64
257	Philip F. Conroy, steam pump, etc	223 35
258	H. L. Marsh & Company, bag	25
259	Newport Paper & Grocery Company, Quaker Oats	3 50
260	John S. Lamson, Jr., dustoline	1,052 74
261	Newport Gas Light Company, pipe	9 60
262	James J. Dugan, garbage	405 65
263	George T. King, labor at dump	58 50
264	Cornelius Harrington, labor at dump	58 50
265	Alex J. Fludder, pipe	5 04
266	George A. Weaver Company, repair mower, etc	10 70
267	Lincoln Hammett, repair fountain	24 08
268	Wm. B. Scott & Company, brooms, etc	88 75
269	Jas. H. Hart, smoke stack, etc	11 25
270	H. L. DeBlois, street hoes	12 00
271	A. & H. G. Hammett, lumber	11 86
272	W. L. Nordling, kerosene	4 50
273	J. J. Connell, kerosene	4 50
274	John D. Richardson, buggy	10 00
275	Benjamin Easton, use of horse	34 50
276	Richard F. Walsh, repair cart	7 00
277	Daniel Beard, shoeing	10 88
278	P. M. Shea, shoeing	5 75
279	M. Kennedy, shoeing	7 50
280	P. F. Clark & Company, shoeing	4 50

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281	Daniel J. Sullivan, shoeing	$5 00
282	J. G. Stevens, forage	195 02
283	W. F. Gratrix, repairs harness, etc	21 75
284	Phineas C. Clark, repair carts	26 25
285	Dudley P. Bacheller, repair shaft shackle	75
286	J. D. Johnston, lumber, etc	56 88
287	S. W. Coggeshall, shovels, etc	16 44
288	J. M. K. Southwick, dynamite, etc	20 16
289	Wm. H. King, repair lubricator	85
290	Simon Hart, office supplies	1 50
291	George H. Carr, office supplies	4 12
292	M. F. Shea, repair carts, etc	118 67
293	Newport Foundry & Machine Corp., oils, etc	21 84
294	Charles S. Goddard, sharpening tools, etc	2 85
295	D. J. Sullivan, sharpening tools	2 95
296	C. F. D. Fayerweather, sharpening tools	85
297	Shreenan & Sullivan, shoeing	5 38
298	Remington Ward, printing	1 50
299	Newport Daily News, advertising	3 30
300	Heirs of George Bowen, fuel	274 64
301	Express	2 70
302	Herald Publishing Company, advertising	3 50
303	J. K. Sullivan, gravel	293 06
304	D. J. Sullivan & Company, weighing gravel	12 60
305	Michael F. Sullivan, cartage crushed stone	444 19
306	J. Stacy Brown, stone	131 04
307	Hooper, Havey & Co., granite blocks	367 73
308	Wright Brothers, bronzite, etc	11 50
309	J. B. F. Smith & Co., oil	1 00
310	N. Y., N. H. & H. R. R. Co., demurrage	7 00
	Pay rolls	8,775 32
		$52,859 86

July.

311	Harold L. Bond Co., injector, etc	$27 56
312	John S. Lamson, Jr., dustoline	1,050 33
313	Wm. M. Harris & Co., lumber	58 36
314	Main Belting Co., lace	13 50
315	F. E. Fitts Mfg. & Supply Co., belt dressing, etc	53 68
316	Fuller Iron Works, manhole rims and covers	54 00
317	Sampson & Murdock Co., directory	2 00
318	Western Union Telegraph Co., message	40
319	Hugh Corrigan, carting castings to crusher	1 00
320	James H. Hart, repair pipe	75
321	Scannevin & Potter, pipe	5 27
322	Providence Telephone Co., service and toll calls	23 00

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323	New England Navigation Co., cement, labor, etc....	$9 19
324	Newport Paper & Grocery Co., oatmeal, etc.....	8 84
325	C. E. Clarke, sharpening tools.....	1 50
326	James J. Dugan, garbage.....	405 65
327	George T. King, labor at dump	58 50
328	Cornelius Harrington, labor at dump.....	58 50
329	American Brake Shoe & Foundry Co., segments, etc.	65 00
330	George A. Weaver Co., brushes, etc.....	7 20
331	Boston Woven Hose & Rubber Co., suction hose, etc.	40 50
332	Congdon & Carpenter Co., zinc.....	8 61
333	J. J. Connell, kerosene	4 50
334	W. L. Nordling, kerosene.....	4 50
335	J. P. Cotton, crushed stone.....	6 30
336	George H. Carr, office supplies.....	3 75
337	Heirs of George Bowen, fuel.....	226 01
338	J. M. K. Southwick, dynamite, etc	63 50
339	Newport Ship Yard, zinc.....	3 80
340	Newport Engineering Works, zinc.....	3 00
341	Newport Foundry & Machine Corp., oils, etc.....	22 25
342	S. W. Coggeshall, shovels, etc.....	32 32
343	A. & H. G. Hammett, lumber and brick.....	22 94
344	Thomas Lucas, repair Elm street pier.....	54 07
345	James P. Taylor, oil jacket.....	1 00
346	Ralph R. Barker, putty, etc.....	36
347	Alex. J. Fludder, pipe.....	54 72
348	Philip F. Conroy, pipe and fittings at Hazard's beach	52 78
349	H. H. Lawton, harness repairs, etc.....	22 40
350	J. G. Stevens, forage.....	154 37
351	Daniel J. Sullivan, shoeing.....	4 50
352	M. Kennedy, shoeing.....	5 00
353	P. M. Shea, shoeing.....	8 00
354	Peter F. Clark & Company, shoeing.....	4 50
355	Dudley P. Bacheller, repair buggy.....	5 33
356	Wm. B. Scott & Co., brooms, etc.....	4 18
357	D. J. Sullivan, sharpening tools.....	6 95
358	Charles S. Goddard, sharpening tools.....	6 10
359	C. F. D. Fayerweather, sharpening tools.....	85
360	James S. Ramlose, repair rubber boots.....	50
361	J. B. F. Smith & Co., oil, etc.....	3 20
362	Daniel Beard, shoeing	5 13
363	Shreenan & Sullivan, shoeing.....	4 50
364	M. F. Shea, repair watering carts, etc.....	47 90
365	S. T. H. Ailman, office supplies.....	5 25
366	Freight, etc.....	8 38
367	Jacob Mohr, sharpening tools.....	60
368	George Stanhope, soap	4 15

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[illegible]

August.

[illegible]	[illegible] Sullivan, [illegible]	[illegible]
[illegible]	[illegible]	[illegible]
[illegible]	The [illegible]	[illegible]
[illegible]	[illegible] Store Co., stone	[illegible]
[illegible]	J. K. Sullivan, [illegible] stone	[illegible]
[illegible]	George H. [illegible]	[illegible]
380	Perry, Seamans & Co.	[illegible]
381	Wadsworth Manufacturing Co.	[illegible]
382	[illegible] Pitman, advertising	[illegible]
383	[illegible] Publishing Co., advertising	[illegible]
384	Thomas [illegible], repairs at [illegible]	[illegible]
385	The Burdick Co., repairs at [illegible]	[illegible]
386	Heirs of George Brown, fire	[illegible]
387	James J. Dugan, garbage	[illegible]
388	George T. King, labor at dump	[illegible]
389	Cornelius Harrington, labor at dump	[illegible]
390	Hooper, Harvey & Co., granite blocks and curb	[illegible]
391	J. K. Sullivan, gravel	[illegible]
392	D. J. Sullivan & Co., weighing gravel	[illegible]
393	John S. Lamson, Jr., [illegible]	[illegible]
394	Stephen L. Goddard, repair fountain	[illegible]
395	Harry L. DeBlois, street hose	[illegible]
396	Wm. B. Scott & Co., scythes, etc	[illegible]
397	N. Y., N. H. & H. R. R. Co., freights	[illegible]
398	McKiernan Drill Co., feed nut, etc	[illegible]
399	Newport Foundry & Machine Corp., oils, etc	[illegible]
400	J. M. K. Southwick, dynamite, etc	[illegible]
401	Express	[illegible]
402	S. W. Coggeshall, shovels, etc	[illegible]
403	A. & H. G. Hammett, lumber, etc	[illegible]
404	Newport Paper & Grocery Co., oatmeal	[illegible]
405	W. L. Nordling, kerosene	[illegible]
406	J. J. Connell, kerosene	[illegible]
407	Newport Water Works, valve, etc	[illegible]
408	Hayman & Nason, painting signs	[illegible]
409	James S. Ramlose, rubber boots	[illegible]
410	George G. Popple, rubber boots	[illegible]

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411	Perrin, Seamans & Co., lanterns	$20 70
412	Simon Hart, scale book, etc.	1 60
413	Wm. P. Clarke, ink	1 00
414	S. T. H. Ailman, pencils, etc	1 25
415	George H. Carr, day book, etc	3 40
416	Ward Printing Co., printing	3 50
417	J. G. Stevens, forage	218 61
418	Peter F. Clark & Co., shoeing	10 00
419	M. Kennedy, shoeing	5 00
420	Daniel J. Sullivan, shoeing	4 50
421	P. M. Shea, shoeing	8 00
422	Daniel Beard, shoeing	10 26
423	Shreenan & Sullivan, shoeing	4 50
424	Phineas C. Clark, repair shaft bolts	1 50
425	Henry Biesel & Son, harness repairs, etc	11 20
426	George A. Weaver Co.. rope, etc	6 51
427	Charles S. Goddard, sharpening tools, etc	4 60
428	C. F. D. Fayerweather, sharpening tools	7 80
429	D. J. Sullivan, sharpening tools	8 70
430	Michael F. Sullivan, cartage crushed stone	448 92
431	J. Stacy Brown, stone	131 82
432	J. D. Johnston, lumber, etc	61 70
433	M. F. Shea, repairs to watering carts, etc	46 60
434	C. E. Clarke, filing saws	75
435	J. T. O'Connell, rope	2 50
436	Alex. J. Fludder, pipe	605 63
437	H. E. Fletcher Co., granite culls	127 96
438	N. Y., N. H. & H. R. R. Co., freights	77 42
	Pay rolls	13,018 35
		$84,050 19

September.

439	Michael F. Sullivan, cartage crushed stone	$123 82
440	Wm. B. Scott & Co., brooms	85 80
441	A. & H. G. Hammett, lumber	16 58
442	T. Mumford Seabury Co., rubber boots	6 00
443	George A. Weaver Co., shovel, etc	1 94
444	S. W. Coggeshall, scoop, etc	1 95
445	New England Steam Brick Co., brick	137 50
446	Buffalo Steam Roller Co., spring scrapers, etc	8 50
447	W. L. Nordling, kerosene	4 00
448	The Western Union Telegraph Co., telegram	40
449	L. C. Smith & Bros. Typewriter Co., typewriter	78 50
450	Ward Printing Co., printing record book, etc	37 50
451	John Gladding, Jr., printing	3 75
452	S. T. H. Ailman, envelopes	1 00

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453	Providence Telephone Co., toll call	$ 20
454	Newport Grocery Co., toilet	84
455	Alex. J. Fludder, pipe	126 62
456	John M. Friend, brick	25 90
457	C. F. D. Fayerweather, sharpening tools	6 40
458	D. J. Sullivan, sharpening tools	40
459	Charles S. Goddard, sharpening tools	10 45
460	J. M. K. Southwick, dynamite, etc	23 60
461	F. E. Fitts Mfg. & Supply Co., packing	17 05
462	Edgar Allen American Manganese Steel Co., screen roller	22 00
463	Newport Foundry & Machine Corp., oils, etc	23 54
464	The Congdon & Carpenter Co., spelter	8 61
465	Taylor Iron & Steel Co., segments	80 00
466	J. J. Connell, kerosene	4 50
467	Heirs of George Bowen, fuel	222 94
468	J. G. Stevens, forage	164 73
469	Wm. K. Covell, watering pot	1 00
470	Peter F. Clark & Co., shoeing	4 50
471	Daniel J. Sullivan, shoeing	4 50
472	Daniel Beard, shoeing	5 13
473	Shreenan & Sullivan, shoeing	4 50
474	J. R. Chase, motor cycle chains, etc	22 00
475	Newport Gas Light Co., gas	11
476	M. F. Shea, repairs to cart, etc	21 10
477	J. K. Sullivan, gravel	117 49
478	D. J. Sullivan & Co., weighing gravel	40
479	James J. Dugan, garbage	405 65
480	George T. King, labor at dump	58 50
481	Cornelius Harrington, labor at dump	58 50
482	H. E. Fletcher & Co., paving cull	139 81
483	N. Y., N. H. & H. R. R. Co., freights	117 40
484	Express	1 45
485	J. D. Johnston, lumber and milling	2 87
486	S. B. Gladding, motor cycle tire and chains	14 50
487	Michael F. Sullivan, cartage crushed stone	378 06
488	J. Stacy Brown, stone	104 86
489	The Milne Printery, printing annual reports	144 00
	Pay rolls	9,720 26
		$96,621 80

October.

490	Michael F. Sullivan, cartage crushed stone	$103 86
491	Providence Telephone Co., telephone service	22 00
492	Simon Hart, pens	1 00

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493	S. W. Coggeshall, rakes, etc	$4 65
494	Phineas Clark, repairs to watering cart	39 70
495	Irland Pipe Wrench Company, wrenches	2 25
496	Newport Water Works, pipe	4 08
497	New England Navigation Co., steel, etc	37 06
498	A. & H. G. Hammett, lumber, etc	16 85
499	C. F. D. Fayerweather, sharpening tools	95
500	Charles S. Goddard, sharpening tools	5 70
501	Library bureau, loose leaf ledger	31 21
502	George A. Weaver Co., pick handles, etc	3 35
503	John M. Friend, brick	16 50
504	Alex. J. Fludder, pipe	429 36
505	James J. Dugan, garbage	405 65
506	George T. King, labor at dump	58 50
507	Cornelius Harrington, labor at dump	58 50
508	Fuller Iron Works, manhole covers and rims	54 00
509	Buffalo Steam Roller Co., grease	10 50
510	Windsor Cement Co., cement	151 55
511	Heirs of George Bowen, fuel	222 82
512	J. M. K. Southwick, dynamite, etc	63 50
513	Main Belting Co., lace	6 75
514	N. Y., N. H & H. R. R. Co., freight	58 00
515	J. G. Stevens, forage	131 90
516	Dr. F. deM. Bertram, vet. services	11 00
517	J. K. Sullivan, auto case	69 00
518	Oliver R. Braman, harness repairs	21 50
519	W. F. Gratrix, harness repairs, etc	5 75
520	P. M. Shea, shoeing	13 75
521	Michael L. Sullivan, shoeing	2 25
522	Daniel J. Sullivan, shoeing	4 50
523	Daniel Beard, shoeing	10 26
524	Peter F. Clark & Company, shoeing	4 50
525	Thomas G. Owen, auto repairs and supplies	149 07
526	Downing Brothers, witch hazel	75
527	Wm. B. Scott & Co., grease, etc	2 50
528	J. K. Sullivan, gravel	63 01
529	Thos. Lucas, bridge repairs (contract)	475 00
530	Michael F. Sullivan, cartage crushed stone	388 98
531	J. Stacy Brown, stone	112 94
532	Freights, stamps, etc	9 30
533	W. L. Nordling, kerosene	8 00
	Pay rolls	8,785 82
		$108,699 87

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November.

534	George H. Carr, office supplies	$1 29
535	Simon Hart, large blotters	45
536	Ward Printing Co., paper	2 75
537	Vacuum House Cleaning Co., cleaning two rugs	50
538	Newport Paper & Grocery Co., toilet	84
539	George A. Weaver Co., broom handles, etc	4 60
540	Heirs of George Bowen, fuel	117 24
541	Wm. K. Covell, repairing watering pot, etc	1 12
542	Charles S. Goddard, bolts, etc	7 80
543	John S. Lamson, Jr., dustoline	423 67
544	N. Y., N. H. & H. R. R. Co., demurrage dustoline	6 00
545	James H. Hart, repairing pump, etc	1 85
546	Standard Oil Company of New York, treating roads with oil	62 50
547	Providence Telephone Company, toll call	50
548	Wright Brothers, oil, bronzite, etc	16 75
549	Newport Water Works, pipe	51
550	The Peckham Co., princess metallic	30
551	Phineas C. Clark, watering cart repairs	3 75
552	Ralph R. Barker, paint, etc	6 53
553	Newport Foundry & Machine Corp., oils, etc	30 91
554	New England Navigation Co., settling tank repairs	18 99
555	Alexander J. Fludder, pipe	30 17
556	J. K. Sullivan, gravel	36 17
557	Barrett Manufacturing Co., Tarvia "B"	174 58
558	Michael F. Sullivan, cartage crushed stone	247 10
559	J. Stacy Brown, stone	68 48
560	M. F. Shea, repairing carts, etc	20 80
561	Thomas Lucas, repairing building, City Yard, (contract)	250 00
562	Thomas Preece, raising building at City Wharf	100 00
563	J. G. Stevens, forage	236 99
564	Dr. C. Horseman, veterinary services	10 00
565	Henry H. Lawton, harness repairs, whip, etc	6 10
566	Oliver R. Braman, harness repairs	1 55
567	P. M. Shea, shoeing	8 00
568	Peter F. Clark & Co., shoeing	4 50
569	Daniel J. Sullivan, shoeing	7 56
570	Shreenan & Sullivan, shoeing	6 75
571	Daniel Beard, shoeing	5 13
572	I. C. Smith & Bros., Typewriter Co., ribbon coupons	3 50
573	C. E. Clarke, filing saws	1 75
574	A. & H. G. Hammett, lumber, etc	21 79
575	J. D. Johnston, shingles	2 85

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576	R. R. Wilson, Jr., rubber elbow and spud	$ 90
577	S. W. Coggeshall, roofing, etc	3 72
578	Philip F. Conroy, fittings	2 65
579	Max David, canvas, etc	2 00
580	Thomas Preece, plank	4 00
581	Highway Department, stamps, map, etc	6 23
582	W. L. Nordling, kerosene	4 00
583	James J. Dugan, garbage	495 65
584	George T. King, labor at dump	58 50
585	Cornelius Harrington, labor at dump	58 50
586	J. K. Sullivan, gasoline	79 56
587	Julius Burdick, gasoline	10 45
588	Sidney B. Gladding, gasoline	8 80
	Pay Rolls	10,895 35
		$119,595 22

December.

589	Heirs of George Bowen, fuel	$6 87
590	Wm. B. Scott & Co., brooms	42 00
591	J. K. Sullivan, gravel	3 76
592	A. & H. G. Hammett, cement and brick	26 00
593	J. Stacy Brown, stone	7 69
594	S. W. Coggeshall, butts	06
595	J. B. F. Smith & Co., paint and oil	10 50
596	Simon Hart, rubber bands, etc	81
597	L. C. Smith & Bros., Typewriter Co., carbon	6 00
598	James J. Dugan, garbage	661 85
599	George T. King, labor at dump	33 75
600	Cornelius Harrington, labor at dump	33 75
601	J. G. Stevens, forage	61 86
602	Henry Biesel & Son, stable supplies, etc	5 60
603	James McBride, liniment	2 00
604	P. M. Shea, shoeing	4 75
605	Peter F. Clark & Co., shoeing	4 50
606	Daniel Beard, shoeing	5 13
607	Shreenan & Sullivan, shoeing	4 50
608	Daniel J. Sullivan, shoeing	5 63
609	Express, etc	75
610	Bellevue Taxicab Garage Co., overhauling auto	35 00
	Pay Rolls	3,229 58
		$122,824 80

Respectfully submitted,

J. K. SULLIVAN,
Street Commissioner.

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OCT 16 1912

ANNUAL REPORT

of the

Street Commissioner

of the

CITY OF NEWPORT

RHODE ISLAND

1911

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Annual Report

OF THE

Street Commissioner

OF THE

City of Newport

Compliments of

J. K. Sullivan,
Street Commissioner.

Francis M. Sisson, Clerk.

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Annual Report of Street Commissioner.

December 31, 1911.

To the Honorable Representative Council of the City of Newport:

Gentlemen:—I again have the honor of submitting the following report of the operations of the Department of Highways and Bridges for the municipal year of 1911.

STATISTICS

This office has carefully prepared and revised the following statistics from the records of the department, viz.:

Streets

	Mileage
Granite block pavement	1.69
Bitulithic and Granite block pavement	1.56
Telford macadam	15.55
Macadam	40.85
Tarvia-macadam	2.24
Tarvia	1.73
Cobble	.51
Dirt	27.05
Total	91.17

Sidewalks

Granolithic	18.317
Granolithic and dirt	.748
Flagstone	2.598
Flagstone and cobble	.145
Flagstone and dirt	1.428
Brick	2.898
Asphalt	.644
Asphalt block	.485
Plank	.313
Dirt	86.974
Total	114.937

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Gutters

Granite culls	17.45
Cobbles	36.51
Flagstone and cobbles	.92
Total	54.88

Curb

Bluestone	40.788
Granite	15.354
Granolithic	1.853
Total	57.995

Sewers

Vitrified pipe	39.738
Cast iron pipe	.799
Circular brick	4.727
Brick	1.449
Stone	.516
Tunnel	.388
Cement pipe	.104
Total	47.721

City Wharf.

Necessary repairs were made to the City Stable from time to time during the year. On December 6th, contract was awarded to Mr. Thomas Lucas to reshingle part of the stable roof for the sum of $75.00. Other miscellaneous repairs were made at an expense of $66.80.

City Scales.

The City Scales, located on City Wharf, have been in use for over twenty-five years. They are completely worn out, and beyond repair. I recommend that an appropriation be made next year to install a new set of platform scales.

Horses and Carts.

The appropriation of $750.00 for horses was not expended this year, but, I would recommend that the same amount be appropriated next year as you cannot tell when horses will fag out.

The Chief of the Fire Department again this year loaned us the use of a horse, but he failed to last the entire season.

Mr. Benjamin Easton has kindly loaned the department a horse during the winter months for his "keep".

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The carts and gears are repaired and repainted by the permanent employees of the department, during the winter months.

Removal of Snow and Ice.

This has been about an average year as far as expense is concerned, for the removal of snow. The total cost this year being $1,871.61 is $1,492.34 less than last year.

This office has prepared the following table, showing the cost of the removal of snow for the past ten years, viz:

1902	$2,967.17
1903	8,049.79
1904	1,860.55
1905	2,752.04
1906	620.42
1907	4,087.16
1908	1,680.76
1909	804.54
1910	3,363.95
1911	1,871.61
	$28,057.99

This makes an average cost per year for the past ten years of $2,805.79. It is very difficult to estimate the cost of removing snow. This year the appropriation was $3,500.00 and the cost $1,871.61, leaving a balance of $1,628.39, but we may not be so fortunate next year. By referring to the above table you will see that it cost over $8,000.00 in the year 1903.

Removal of Snow, Year 1911.

	Teams		Carts		Total
	Loads	Cu. Yds.	Loads	Cu. Yds.	Cu. Yds.
1910					
Dec. 19	11	33	26	52	85
20	6	18	5	10	28
23	2	6	8	16	22
1911					
Feb. 8	44	132	73	146	278
9	26	78	58	116	194
9	16	48	..	...	48
10	31	93	36	72	165
11	27	81	35	70	151
13	35	105	52	104	209
14	20	60	31	62	122
16	21	63	17	34	97
21	48	144	77	154	298

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22.....	34	72	47	94	166
23.....	40	120	57	114	234
24.....	18	54	49	98	152
25.....	16	48	20	40	88
	395	1,155	591	1,182	2,337

Street Cleaning.

The cleaning of streets, other than the permanent pavements, was commenced on April 4th, and continued until November 17th, when the work was shut down until next spring.

The street cleaning gangs are divided into five sections, two of which clean the streets in the most inhabited part of the city; two other gangs cover the suburban districts, cleaning, mowing, weeding, etc; and one section covers Bellevue avenue during the summer months. The total loads of material removed this season was 8,709.

The permanent pavements are cleaned throughout the year, except in extreme cold weather, and when the pavements are covered with snow.

From our card index system, we submit the following table, showing the amount of work done by this part of the department, viz:

Cleaning Streets, Season 1911.

Permanent Pavements	Miles	Sq. Yds.	Cost
Broadway & Washington Sq.....	226.2	7,480,307	$2,010.46
Long Wharf, ...	130.6	1,570,426	836.92
Spring Street, ...	638.2	8,035,900	2,256.47
Thames Street, ...	747.9	9,616,698	5,999.50
Total	1,742.9	26,703,331	$11,103.35
All other streets, ...	1,389.4	23,843,335	17,685.65
	3,132.3	50,546,666	$28,789.00

Collection and Disposal of the City Refuse.

This is the fifth and last year for the collection and disposal of the City Refuse, under the five year contract of Mr. J. J. Dugan, which expires on the first day of January, 1912.

Fifty-three complaints were made this year, which were adjusted by the contractor.

I again recommend this year that the City purchase a full equipment, and that the collection of refuse be performed by this Department.

Dumping accommodations are getting very scarce so I would also recommend that the City Refuse be carried out to sea. By the

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disposing of the refuse in this manner, we would eliminate the nuisance of smoke in the burning of rubbish, and to a certain extent we would curtail the blowing of papers over the streets.

To adopt this system, a suitable house could be built on the City Wharf. We can have a slip on the west side, thirty feet wide and three hundred and twenty feet long. This could be excavated to a depth of say ten feet of water, which would accomodate two dump scows, one to be empty all the time to take the place of the loaded one, when at sea. This house could be absolutely dust proof, and built over the slip so that the scow could be put under same to load, the loading to be done when the carts arrive. The floor space would be large enough to turn the teams around and dump into the scows.

This department has been making some inquiries in the method of this kind of disposal, and we find that in no case has there been any complaint of the refuse returning to the shores, other than a few wooden pie plates.

We are of the opinion that we could get, free of cost to the City, labor enough to take care of the scows, by allowing certain parties the privilege of picking the junk, etc., thereby saving the expense of two men at dumps, which amounts to about $1,400.00 yearly.

In disposing of the refuse by this system, the city would not be under any obligations to anyone owning land, for the privilege of using same for a dumping place, and which party may want to discontinue the use of same when most needed.

I have another proposition to make regarding the disposal of the City refuse. If the Almy Pond property was acquired by the City, we would have a dumping place which would last for some years.

A number of land-owners in this locality would be pleased to have this pond filled in, and a road built around it for driving purposes, leaving a small lake in the center. When the pond is filled, they would beautify the place by planting trees, shrubs, etc, making it into a recreation park for the use of the public, and in time, if it could be done, a continuance of Morton Park.

I have talked with a number of citizens regarding this project, and in no case was there any objection.

I recommend this proposition more strongly than I do the disposal by towing to sea.

Cleaning Catch Basins and Eyes.

As in former years, four men and cart are employed, during the year, weather permitting, in cleaning and flushing catch basins and

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eyeholes. 1,623 catch basins and 862 eyeholes were cleaned, and 1,623 loads of material were removed during the past season, at an expense of $3,632.48.

Catch Basins and Eyes.

	Catch Basins.	Eye-holes.	Total.
Total number last year,	458	232	690
Located during 1911,		32	32
Built during 1911,	2	3	5
Total to date,	460	267	727

Cleaning Main Sewers.

This past season being so dry, we were not obliged to expend so much money for the cleaning of the main sewers, and the four men, who generally do this work, were employed in the repairing of the pavements of Broadway, Spring street and Coggeshall avenue, to very good advantage.

We have now about 48 miles of sewers, and the total cost of cleaning same this year was $1,692.32, making an average cost of $35.26 per mile for the year.

During the past fiscal year this department has inspected 111 sewer connections.

Sewer Plates.

I again call your attention to the condition of the sewer plates. These plates, which are very valuable records, should be preserved by backing them with cloth, or by replacing them with new ones.

Street Sprinkling.

Watering Streets.

Street watering commenced this year on April 27th, with three carts, and on May 2nd, 10 carts were added, then on July 8th, one more cart was put in commission. The watering was continued until October 27th, when all of the carts were in, with the exception of one, which continued at work until November 9th.

The total cost of watering this year was $9,292.86, or about $154.88 per mile, during the season.

Although the past season has been so very dry, the total number of watering days were 57 less than last year.

About 60 miles of streets were watered on an average of twice per day.

The following tables of statistics will give you the total amount of work done by each cart, viz:

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STREET WATERING.

Double Cart No. 25. Capacity 600 Gals.

Loads per day—Fresh, 26; Salt, None. Gallons used per day—Fresh, 15,600; Salt, None.

1911.	Days Wat'd	Totals. Gallons of Water Used. Fresh	Salt	Total	Mileage of Streets Watered. Fresh	Salt	Total	Area of Streets Watered. Fresh	Salt	Total
May	12-2	191,100	---------	191.100	158.64	---------	158.64	2,340,853	---------	2,340,853
June	18	280,800	---------	280,800	233.10	---------	233.10	3,439,620	---------	3,439,620
July	22-6	354,900	---------	354,900	294.61	---------	294.61	4,347,297	---------	4,347,297
Aug.	19-4	304,200	---------	304,200	252.53	---------	252.53	3,726,255	---------	3,726,255
Sept.	14-1	220,350	---------	220,350	182.91	---------	182.92	2,699,146	---------	2,699,146
Oct.	9-6	152,100	---------	152,100	126.26	---------	126.26	1,863,128	---------	1,863,128
	96-3	1,503,450	---------	1,503,450	1,248.05	---------	1,248.05	18,416,299	---------	18,416,299

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STREET WATERING.

Double Cart No. 27. Capacity 600 Gals.

Loads per day—Fresh, 28; Salt, None. Gallons used per day—Fresh, 16,800; Salt, None.

		Totals. Gallons of Water Used.			Mileage of Streets Watered.			Area of Streets Watered.		
1911.	Days Wat'd	Fresh	Salt	Total	Fresh	Salt	Total	Fresh	Salt	Total
April	10-7	182,700	---------	182,700	56.01	---------	56.01	1,170,389	---------	1,170,389
May	29-2	491,400	---------	491,400	150.63	---------	150.63	3,147,944	---------	3,147,944
June	22-6	382,200	---------	382,200	117.16	---------	117.16	2,448,401	---------	2,448,401
July	25-4	428,400	---------	428,400	131.33	---------	131.33	2,744,361	---------	2,744,361
Aug.	22	369,600	---------	369,600	113.30	---------	113.30	2,367,684	---------	2,367,684
Sept.	20-3	342,300	---------	342,300	104.93	---------	104.93	2,192,798	---------	2,192,798
Oct.	16-3	275,100	---------	275,100	84.33	---------	84.33	1,762,310	---------	1,762,310
Nov.	3-4	58,800	---------	58,800	18.03	---------	18.03	376,677	---------	376,677
	150-5	2,530,500	---------	2,530,500	775.72	---------	775.72	16,210,564	---------	16,210,564

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STREET WATERING.

Double Cart No. 28. Capacity 600 Gals.

Loads per day—Fresh, 24; Salt, 2. Gallons used per day—Fresh, 14,400; Salt, 1,200.

1911.	Days Wat'd	Totals. Gallons of Water Used. Fresh	Salt	Total	Mileage of Streets Watered. Fresh	Salt	Total	Area of Streets Watered. Fresh	Salt	Total
May	21-6	313,200	26,100	339,300	150.07	11.53	161.60	1,757,139	138,287	1,895,426
June	20	288,000	24,000	312,000	138.00	10.60	148.60	1,615,760	127,160	1,742,920
July	22-6	327,600	27,300	354,900	156.97	12.06	169.03	1,837,927	144,644	1,982,571
Aug.	19-4	280,800	23,400	304,200	134.55	10.34	144.89	1,141,131	89,806	1,230,937
Sept.	14-1	203,400	16,950	220,350	97.46	7.49	104.95	1,575,366	133,981	1,699,347
Oct.	9-5	138,600	11,550	150,150	66.41	5.10	71.51	777,584	61,196	838,780
	107-6	1,551,600	129,300	1,680,900	743.46	57.12	800.58	8,704,907	685,074	9,389,981

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576 R. B. Wils
577 S. W. Cogg
578 Philip F. C
579 Max David
580 Thomas Pr
581 Highway D
582 W. L. Nor
583 James J. D
584 George T.
585 Cornelius
586 J. K. Sulli
587 Julius Bur
588 Sidney B. G
Pay Rolls . . .

589 Heirs of Geo
590 Wm. B. Sco
591 J. K. Sullive
592 A. & H. G. 1
593 J. Stacy Br
594 S. W. Cogge
595 J. B. F. Smi
596 Simon Hart,
597 L. C. Smith
598 James J. Du
599 George T. K.
600 Cornelius Ha
601 J. G. Steve
602 Henry Bies
603 James McK
604 P. M. Shea,
605 Peter F. Cla
606 Daniel Bear
607 Shreenan &
608 Daniel J. Su
609 Express, etc
610 Bellevue Ta
Pay Rolls, . .

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STREET WATERING.

Double Cart No. 29. Capacity 600 Gals.

Loads per day—Fresh, 26; Salt, None. Gallons used per day—Fresh, 15,600; Salt, None.

1911.	Days Wat'd	Totals. Gallons of Water Used. Fresh	Salt	Total	Mileage of Streets Watered. Fresh	Salt	Total	Area of Streets Watered. Fresh	Salt	Total
May	21-4	335,400	---------	335,400	162.54	---------	162.54	2,698,379	---------	2,698,379
June	18-4	288,600	---------	288,600	139.86	---------	139.86	2,321,861	---------	2,321,861
July	22-6	354,900	---------	354,900	171.99	---------	171.99	2,855,262	---------	2,855,262
Aug.	19-4	304,200	---------	304,200	147.42	---------	147.42	2,447,367	---------	2,447,367
Sept.	14-1	220,350	---------	220,350	106.79	---------	106.79	1,772,772	---------	1,772,772
Oct.	9-6	152,100	---------	152,100	73.71	---------	73.71	1,223,684	---------	1,223,684
	106-1	1,655,550	---------	1,655,550	802.31	---------	802.31	13,319,325	---------	13,319,325

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STREET WATERING.

Double Cart No. 30. Capacity 600 Gals.

Loads per day—Fresh, 10; Salt, 10. Gallons used per day—Fresh, 6,000; Salt, 6,000.

1911.	Days Wat'd	Totals. Gallons of Water Used. Fresh	Salt	Total	Mileage of Streets Watered. Fresh	Salt	Total	Area of Streets Watered. Fresh	Salt	Total
May	19-6	118,500	118,500	237,000	71.89	70.31	142.20	1,212,611	1,420,736	2,633,347
June	18-2	109,500	109,500	219,000	66.43	64.97	131.40	1,120,513	1,312,832	2,433,345
July	23-2	139,500	139,500	279,000	84.63	82.77	167.40	1,427,504	1,672,512	3,100,016
Aug.	20	120,000	120,000	240,000	72.80	71.20	144.00	1,227,960	1,438,720	2,666,680
Sept.	14-1	84,750	84,750	169,500	51.42	50.28	101.70	867,247	1,016,096	1,883,343
Oct.	8-6	52,500	52,500	105,000	31.85	31.15	63.00	537,232	629,440	1,166,672
	104-1	624,750	624,750	1,249,500	379.02	370.68	749.70	6,393,067	7,490,336	13,883,403

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STREET WATERING.

Double Cart No. 31. Capacity 600 Gals.

Loads per day—Fresh, None; Salt, 12. Gallons used per day—Fresh, None; Salt, 7,200.

1911.	Days Wat'd	Totals. Gallons of Water Used. Fresh	Salt	Total	Mileage of Streets Watered. Fresh	Salt	Total	Area of Streets Watered. Fresh	Salt	Total
April	3	---------	21,600	21,600	---------	14.04	14.04	----------	263,700	263,700
May	24-4	---------	176,400	176,400	---------	114.66	114.66	----------	2,153,550	2,153,550
June	19	---------	136,800	136,800	---------	88.92	88.92	----------	1,670,100	1,670,100
July	22-2	---------	160,200	160,200	---------	104.13	104.13	----------	1,955,775	1,955,775
Aug.	20	---------	144,000	144,000	---------	93.60	93.60	----------	1,758,000	1,758,000
Sept.	14-1	---------	101,700	101,700	---------	66.11	66.11	----------	1,241,588	1,241,588
Oct.	9-6	---------	70,200	70,200	---------	45.63	45.63	----------	857,025	857,025
	112-5	---------	810,900	810,900	---------	527.09	527.09	----------	9,899,738	9,899,738

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STREET WATERING.

Double Cart No. 32. Capacity 700 Gals.

Loads per day—Fresh, 25; Salt, None. Gallons used per day—Fresh, 17,500; Salt, None.

1911.	Days Wat'd	Totals. Gallons of Water Used. Fresh	Salt	Total	Mileage of Streets Watered. Fresh	Salt	Total	Area of Streets Watered. Fresh	Salt	Total
May	21-4	376,250	--------	376,250	139.75	---------	139.75	1,942,568	----------	1,942,568
June	19	332,500	---------	332,500	123.50	---------	123.50	1,716,688	----------	1,716,688
July	23-6	415,625	---------	415,625	154.38	---------	154.38	2,145,860	----------	2,145,860
Aug.	19-4	341,250	---------	341,250	126.75	---------	126.75	1,761,864	----------	1,761,864
Sept.	14-1	247,188	---------	247,188	91.81	---------	91.81	1,276,222	----------	1,276,222
Oct.	9-4	166,250	---------	166,250	61.75	---------	61.75	858,344	----------	858,344
	107-3	1,879,063	---------	1,879,063	697.94	---------	697.94	9,701,546	----------	9,701,546

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STREET WATERING.

Double Cart No. 33. Capacity 600 Gals.

Loads per day—Fresh, 27; Salt, None. Gallons used per day—Fresh, 16,200; Salt, None.

1911.	Days Wat'd	Totals. Gallons of Water Used. Fresh	Salt	Total	Mileage of Streets Watered. Fresh	Salt	Total	Area of Streets Watered. Fresh	Salt	Total
May	19-4	315,900	---------	315,900	184.86	---------	184.86	2,837,133	---------	2,837,133
June	18-4	299,700	---------	299,700	175.38	---------	175.38	2,691,639	---------	2,691,639
July	22-6	368,550	---------	368,550	215.67	---------	215.67	3,309,989	---------	3,309,989
Aug.	21	340,200	---------	340,200	199.08	---------	199.08	3,055,374	---------	3,055,374
Sept.	17-5	285,525	---------	285,525	167.09	---------	167.09	2,564,332	---------	2,564,332
Oct.	8-6	141,750	---------	141,750	82.95	---------	82.95	1,273,072	---------	1,273,072
	108-1	1,751,625	---------	1,751,625	1,025.03	---------	1,025.03	15,731,539	---------	15,731,539

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STREET WATERING.

Single Cart No. 10. Capacity 350 Gals.

Loads per day—Fresh, 38; Salt, None. Gallons used per day—Fresh, 13,300. Salt, None.

1911.	Days Wat'd	Totals. Gallons of Water Used. Fresh	Salt	Total	Mileage of Streets Watered. Fresh	Salt	Total	Area of Streets Watered. Fresh	Salt	Total
May	21-2	282,625	---------	282,625	182.33	---------	182.33	2,560,200	---------	2,560,200
June	15-6	209,475	---------	209,475	135.13	---------	135.13	1,897,560	---------	1,897,560
July	18-6	249,375	---------	249,375	160.88	---------	160.88	2,259,000	---------	2,259,000
Aug.	17-4	232,750	---------	232,750	150.15	---------	150.15	2,108,400	---------	2,108,400
Sept.	13-1	174,563	---------	174,563	112.61	---------	112.61	1,581,300	---------	1,581,300
Oct.	9-4	126,350	---------	126,350	81.51	---------	81.51	1,144,560	---------	1,144,560
	95-7	1,275,138	---------	1,275,138	822.61	---------	822.61	11,551,020	---------	11,551,020

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STREET WATERING.

Single Cart No. 14. Capacity 350 Gals.

Loads per day—Fresh, 30; Salt, None. Gallons used per day—Fresh, 10,500; Salt. None.

1911.	Days Wat'd	Totals. Gallons of Water Used. Fresh	Salt	Total	Mileage of Streets Watered. Fresh	Salt	Total	Area of Streets Watered. Fresh	Salt	Total
May	20	210,000	---------	210,000	162.00	---------	162.00	1,889,080	---------	1,889,080
June	16-	168,000	---------	168,000	129.60	---------	129.60	1,511,264	---------	1,511,264
July	18-6	196,875	---------	196,875	151.88	---------	151.88	1,771,013	---------	1,771,013
Aug.	17-4	183,750	---------	183,750	141.75	---------	141.75	1,652,945	---------	1,652,945
Sept.	13-1	137,813	---------	137,813	106.31	---------	106.31	1,239,709	---------	1,239,709
Oct.	9-6	102,375	---------	102,375	78.98	---------	78.98	920,926	---------	920,926
	95-1	998,813	---------	998,813	770.52	---------	770.52	8,984,937	---------	8,984,937

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STREET WATERING.

Single Cart No. 15. Capacity 350 Gals.

Loads per day—Fresh, 38; Salt, None. Gallons used per day—Fresh, 13,300. Salt, None.

1911.	Days Wat'd.	Totals. Gallons of Water Used. Fresh	Salt	Total	Mileage of Streets Watered. Fresh	Salt	Total	Area of Streets Watered. Fresh	Salt	Total
May	21-2	282,625	---------	282,625	123.25	---------	123.25	1,448,995	---------	1,448,995
June	15-6	209,475	---------	209,475	91.35	---------	91.35	1,073,961	---------	1,073,961
July	18-6	249,375	---------	249,375	108.75	---------	108.75	1,278,525	---------	1,278,525
Aug.	17-4	232,750	---------	232,750	101.50	---------	101.50	1,193,290	---------	1,193,290
Sept.	13-1	174,563	---------	174,563	76.13	---------	76.13	894,968	---------	894,968
Oct.	9-6	129,675	---------	129,675	56.55	---------	56.55	664,833	---------	664,833
	96-1	1,278,463	---------	1,278,463	557.53	---------	557.53	6,554,572	---------	6,554,572

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STREET WATERING.

Single Cart No. 16. Capacity 350 Gals.

Loads per day—Fresh, 37; Salt, None. Gallons used per day—Fresh,, 12,950; Salt, None.

1911.	Days Wat'd	Totals. Gallons of Water Used. Fresh	Salt	Total	Mileage of Streets Watered. Fresh	Salt	Total	Area of Streets Watered. Fresh	Salt	Total
April	3-4	45,325	---------	45,325	20.76	---------	20.76	298,018	---------	298,018
May	23-4	304,325	---------	304,325	139.35	---------	139.35	2,000,978	---------	2,000,978
June	19-2	249,288	---------	249,288	114.15	---------	114.15	1,639,099	---------	1,639,099
July	23-6	307,562	---------	307,562	140.84	---------	140.84	2,022,265	---------	2,022,265
Aug.	20-4	265,475	---------	265,475	121.56	---------	121.56	1,745,534	---------	1,745,534
Sept.	15-1	195,869	---------	195,869	89.69	---------	89.69	1,287,864	---------	1,287,864
Oct.	9-6	126,262	---------	126,262	57.82	---------	57.82	830,193	---------	830,193
	115-3	1,494,106	---------	1,494,106	684.17	---------	684.17	9,823,951	---------	9,823,951

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STREET WATERING.

Single Cart No. 22. Capacity 300 Gals.

Loads per day—Fresh, 30; Salt, None. Gallons used per day—Fresh, 9,000; Salt, None.

1911.	Days Wat'd	Totals. Gallons of Water Used. Fresh	Salt	Total	Mileage of Streets Watered. Fresh	Salt	Total	Area of Streets Watered. Fresh	Salt	Total
May	23-6	213,750	---------	213,750	135.61	---------	135.61	1,511,118	---------	1,511,118
June	18-6	168,750	---------	168,750	107.06	---------	107.06	1,192,987	---------	1,192,987
July	22-6	204,750	---------	204,750	129.91	---------	129.91	1,447,492	---------	1,447,492
Aug.	19-4	175,500	---------	175,500	111.34	---------	111.34	1,240,707	---------	1,240,707
Sept.	18-5	167,625	---------	167,625	106.35	---------	106.35	1,185,034	---------	1,185,034
Oct.	11-7	106,875	---------	106,875	67.80	---------	67.80	755,559	---------	755,559
	115-2	1,037,250	---------	1,037,250	658.07	---------	658.07	7,332,897	---------	7,332,897

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STREET WATERING.

Single Cart No. 38. Capacity 350 Gals.

Loads per day—Fresh, 14; Salt, 4. Gallons used per day—Fresh, 4,900; Salt, 1,400.

1911.	Days Wat'd	Totals. Gallons of Water Used			Mileage of Streets Watered.			Area of Streets Watered.		
		Fresh	Salt	Total	Fresh	Salt	Total	Fresh	Salt	Total
July	15-4	75,950	21,700	97,650	45.42	6.20	51.62	607,786	79,701	687,487
Aug.	19-4	95,550	27,300	122,850	57.13	7.80	64.93	764,634	100,269	864,903
Sept.	12-4	61,250	17,500	78,750	36.63	5.00	41.63	490,150	64,275	554,425
Oct.	11-2	55,125	15,750	70,875	32.96	4.50	37.46	441,135	57,848	498,983
	58-6	287,875	82,250	370,125	172.14	23.50	195.64	2,303,705	302,093	2,605,798

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SUMMARY OF STREET WATERING

		Gallons of Water Used.			Mileage of Streets Watered.			Area of Streets Watered.		
Cart	Days	Fresh	Salt	Total	Fresh	Salt	Total	Fresh	Salt	Total
No. 25	96-3	1,503,450	----------	1,503,450	1,248.05	----------	1,248.05	18,416,299	----------	18,416,299
No. 27	150-5	2,530,500	----------	2,530,500	775.72	----------	775.72	16,210,564	----------	16,210,564
No. 28	107-6	1,551,600	129,300	1,680,900	743.46	57.12	800.58	8,704,907	685,074	9,389,981
No. 29	106-1	1,655,550	----------	1,655,550	802.31	----------	802.31	13,319,325	----------	13,319,325
No. 30	104-1	624,750	624,750	1,249,500	379.02	370.68	749.70	6,393,067	7,490,336	13,883,403
No. 31	112-5	----------	810,900	810,900	----------	527.09	527.09	----------	9,899,738	9,899,738
No. 32	107-3	1,879,063	----------	1,879,063	697.94	----------	697.94	9,701,546	----------	9,701,546
No. 33	108-1	1,751,625	----------	1,751,625	1,025.03	----------	1,025.03	15,731,539	----------	15,731,539
No. 10	95-7	1,275,138	----------	1,275,138	822.61	----------	822.61	11,551,020	----------	11,551,020
No. 14	95-1	998,813	----------	998,813	770.52	----------	770.52	8,984,937	----------	8,984,937
No. 15	96-1	1,278,463	----------	1,278,463	557.53	----------	557.53	6,554,572	----------	6,554,572
No. 16	115-3	1,494,106	----------	1,494,106	684.17	----------	684.17	9,823,951	----------	9,823,951
No. 22	115-2	1,037,250	----------	1,037,250	658.07	----------	658.07	7,332,897	----------	7,332,897
No. 38	58-6	287,875	82,250	370,125	172.14	23.50	195.64	2,303,705	302,093	2,605,798
	1469-5	17,868,183	1,647,200	19,515,383	9,336.57	978.39	10,314.96	135,028,329	18,377,241	153,405,570

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COMPARATIVE STATEMENT OF STREET WATERING.

		Gallons of Water Used.			Mileage of Streets Watered.			Area of Streets Watered.		
Year	Days	Fresh	Salt	Total	Fresh	Salt	Total	Fresh	Salt	Total
1907	1973-2	29,622,914	2,245,075	31,867,989	14,918.61	1,812.24	16,730.85	202,983,848.35	30,867,466.84	233,851,315.19
1908	1977-2	30,353,738	1,861,038	32,214,776	15,007.45	1,768.34	16,775.79	204,414,971.15	30,205,186.88	234,620,158.03
1909	1771-3	26,931,452	1,661,662	28,593,114	13,352.02	1,539.13	14,891.15	182,801,035.46	26,490,043.34	209,291,078.80
1910	1526-6	24,412,998	2,221,574	26,634,572	10,943.16	1,393.47	12,336.63	156,700,279.00	31,087,143.00	187,787,422.00
1911	1469-5	17,868,183	1,647,200	19,515,383	9,336.57	978.39	10,314.96	135,028,329.00	18,377,241.00	153,405,570.00

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Applying Dustoline

This is the fifth year that we have applied Dustoline to the roadbeds of certain streets, with the same excellent results.

We have purchased, during the past season, six tank cars containing 42,801 gallons of this material.

The total expense for applying Dustoline this year was $2,837.53 or about $166.91 per mile for the season, covering about 17 miles of 20 ft. roadbed. We now have 2,769 gallons of Dustoline on hand worth $179.98.

Mr. Lamson, of The Dustoline for Roads Company, kindly made arrangements with the railroad company for the installing of a storage tank near a side track in the railroad yard, which made it much more convenient for us to apply the material. In former years, when a car of Dustoline arrived, we were obliged to immediately convey the material to the streets, but with the possession of the storage tank, we can keep a supply of the Dustoline on hand, and touch up the various roadbeds when most needed. I would also say that Mr. Lamson furnished and placed the storage tank at his own expense, with the understanding that it is his property.

Two hundred dollars was donated this year toward the cost of treating Broadway roadbed.

The following statistics will give you the full detail as to applications, viz.:—

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FIRST CAR OF DUSTOLINE.
First Application, May 11, 12, and 13, 1911.

Street or Avenue.	Sq. Yds.	Average Gal. per Sq. Yd.	Gals. Used	Total Cost
Bellevue avenue, Bath road to Bailey's Beach	40,283	.1105	4,453	$315.63
Broadway, One Mile Corner to Bliss road	15,000	.106	1,591	112.77
Broadway, Bliss road to Rhode Island avenue, East Side	2,500	.106	265	18.79
	57,783		6,309	$447.19

Cost per gallon applied, .07088.
Average cost per square yard, .0077.

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SECOND CAR OF DUSTOLINE.
First Application May 17, 18, 19 and June 1, 1911.

Street or Avenue.	Sq. Yds.	Average Gal. per Sq. Yd.	Gals. Used	Total Cost
Broadway, Bliss road to Equality Park place	8.945	.1228	1.099	$77.90
Northam lane, Thames street to Rousemainere place	333	.1188	40	2.84
Rousemainere place	213	.1188	25	1.77
Whittier avenue, 100 ft., Thames street west	156	.1188	19	1.35
Dennis avenue, 100 ft., Thames street west	133	.1188	16	1.14
Wilcox court, 100 ft., Thames street west	111	.1188	13	.92
Sherman wharf, 100 ft., Thames street west	166	.1188	20	1.42
Swinburne's wharf, 100 ft., Thames street west	156	.1188	19	1.35
Champlin's wharf, 100 ft., Thames street west	111	.1188	13	.92
Bull's wharf, 100 ft., Thames street west	167	.1188	20	1.42
Lopez wharf, 100 ft., Thames street west	178	.1188	21	1.49
Cotton court	360	.1188	43	3.05
Market square, Newman's wharf and Ferry wharf	600	.1188	71	5.03
Bowen's wharf, 100 ft., Thames street west	211	.1188	25	1.77
West Pelham street	1,057	.1188	126	8.93
Sayers wharf	1,625	.1188	193	13.68
Scott's wharf, 100 ft., Thames street west	200	.1188	24	1.70

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SECOND CAR OF DUSTOLINE.

First Application May 17, 18, 19 and June 1, 1911.

Street or Avenue.	Sq. Yds.	Average Gal. per Sq. Yd.	Gals. Used	Total Cost
Commercial wharf, north, south and between	6,725	.1188	799	56.63
Hammett's wharf, 100 ft., Thames street west	311	.1188	37	2.62
Perry Mill court	390	.1188	46	3.26
Perry Mill wharf, 100 ft., Thames street west	366	.1188	44	3.12
Bailey court, 100 ft., Thames street west	189	.1188	23	1.63
Cottrell's wharf, 100 ft. Thames street west	222	.1188	26	1.84
Peckham's wharf, 100 ft., Thames street west	178	.1188	21	1.49
Taylor court, 100 ft. Thames street west	255	.1188	30	2.13
Brown & Howard's wharf, 100 ft. Thames street west	278	.1188	33	2.34
Lee's wharf, 100 ft., Thames street west	278	.1188	33	2.34
West Howard street, 200 ft. Thames street west	467	.1188	56	3.97
Spring wharf, 200 ft., Thames street west	622	.1188	74	5.25
Extension street, 200 ft., Thames street west	578	.1188	69	4.89
Waites' wharf, 200 ft., Thames street west	489	.1188	58	4.11
Coddington wharf, 200 ft., Thames street west	355	.1188	42	2.98
Goodwin street, 200 ft., Thames street west	466	.1188	55	3.90
Harrington street, 200 ft., Thames street west	533	.1188	63	4.47

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SECOND CAR OF DUSTOLINE.
First Application May 17, 18, 19 and June 1, 1911.

Street or Avenue.	Sq. Yds.	Average Gal. per Sq. Yd.	Gals. Used	Total Cost
Bridge street	2,629	.1426	375	26.58
Elm street	2,416	.1426	345	24.45
Third street, Marsh street to Walnut street	2,660	.1426	379	26.86
Rhode Island avenue, Broadway to Kay street	3,360	.1497	503	35.65
West Broadway	3,981	.1497	596	42.25
Marlborough street	2,272	.221	502	35.58
Branch street	212	.221	47	3.33
Gould street	1,927	.1173	226	16.02
Congdon avenue, Gould street north	1,179	.1173	138	9.78
Tilley avenue	1,572	.1173	185	13.11
Bellevue avenue, Bath road to Kay street	5,394	.1017	549	38.91
West Marlborough street, Thames street west	2,123	.2585	549	38.91
Ridge road, Castle Hill avenue west	5,373	.1021	549	38.91
	62,522		8239	$583.99

Cost per gallon applied, .07088.
Average cost per square yard, .0093.

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THIRD CAR OF DUSTOLINE.
First Application, June 15, 16, 17 and 19, 1911.

Street or Avenue.	Sq. Yds.	Average Gal. per Sq. Yd.	Gals. Used	Total Cost
Ridge road, Harrison avenue south	5,371	.1128	606	42.96
Harrison avenue, Ridge road to Carroll avenue	27,303	.1277	3,488	247.23
Halidon avenue	3,427	.1327	455	32.25
Clay street, Parker avenue south, 200 ft.	1,068	.2837	152	10.77
Ruggles avenue, Wetmore avenue to end of Drexel Estate.	2,750	.1858	511	36.22
Óchre Point avenue, Ruggles avenue north, 200 ft.	511	.1858	95	6.73
East Bowery street, Bellevue avenue to Middleton avenue	3,522	.0677	238	16.87
Middleton avenue, Berkeley avenue to Bath road	5,425	.0677	368	26.08
Old Beach road, Bellevue avenue to Rhode Island avenue	6,600	.0918	606	42.96
Parker avenue, Clay street east, 200 ft.	1,068	.2837	151	10.70
	57,045		6,670	$472.77

Cost per gallon applied, .07088.
Average cost per square yard, .0082.

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THIRD CAR OF DUSTOLINE.
Second Application, June 17, 1911.

Street or Avenue.	Sq. Yds.	Average Gal. per Sq. Yd.	Gals. Used	Total Cost
Bellevue avenue, Kay street to Bath road	5,394	.1123	606	42.96
Bellevue avenue, Bath road to Shepard avenue	17,239	.0351	606	42.96
	22,633		1,212	$85.92

Cost per gallon applied, .07088.
Average cost per square yard, .0037.

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FOURTH CAR OF DUSTOLINE.
First Application, June 19, 20, 21 and 22, 1911.

Street or Avenue.	Sq. Yds.	Average Gal. per Sq. Yd.	Gals. Used	Total Cost
Old Beach road, Rhode Island avenue to Gibbs avenue	2,475	.084	208	14.74
Red Cross avenue, Old Beach road south, 500 ft.	2,000	.084	168	11.91
Dresser street	2,053	.084	173	12.26
Bath road, Bellevue avenue to Cliff avenue	5,506	.3746	2,063	146.23
Carroll avenue, Thames street to Harrison avenue	3,733	.1381	515	36.51
Morton avenue	4,225	.1381	583	41.32
	19,992		3,710	$262.97

Cost per gallon applied, .07088.
Average cost per square yard, .0131.

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FOURTH CAR OF DUSTOLINE.
Second Application, June 19, 20 and 22, 1911.

Street or Avenue.	Sq. Yds.	Average Gal. per Sq. Yd.	Gals. Used	Total Cost
Broadway, Equality Park place to One Mile Corner	23,945	.0918	2,198	155.80
Marlborough street	2,272	.1813	412	29.20
	26,217		2,610	$185.00

Cost per gallon applied, .07088.
Average cost per square yard, .007.

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FIFTH CAR OF DUSTOLINE.

Second Application, July 1, August 17 and 18, 1911.

Street or Avenue.	Sq. Yds.	Average Gal. per Sq. Yd.	Gals. Used	Total Cost
Harrison avenue, Carroll avenue to Halidon avenue	5,576	.0773	431	30.55
Halidon avenue, Harrison avenue to Mrs. John Nicholas Brown's gate	2,400	.0773	186	13.18
	5,506	.112	617	43.73
Bath road, Bellevue avenue to Cliff avenue	2,629	.0832	219	15.52
Bridge street	2,660	.0832	221	15.67
Third street, Marsh street to Walnut street	2,123	.0832	177	12.55
West Marlborough street, Thames street west	3,522	.0552	195	13.82
East Bowery street, Bellevue avenue to Middleton avenue	2,053	.0552	113	8.01
Dresser street	3,733	.0583	217	15.38
Carroll avenue, Thames street to Harrison avenue	4,225	.0583	246	17.44
Morton avenue	212	.0654	14	.99
Branch street	3,360	.0654	220	15.59
Rhode Island avenue, Broadway to Kay street	1,927	.0654	126	8.93
Gould street	1,572	.0654	103	7.30
Tilley avenue				
	41,498		3,085	$218.66

Cost per gallon applied, .07088.
Average cost per square yard, .0052.

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FIFTH CAR OF DUSTOLINE.
Third Application, August 1, 17 and 18, 1911.

Street or Avenue.	Sq. Yds.	Average Gal. per Sq. Yd.	Gals. Used	Total Cost
Bellevue avenue, Kay street to Ruggles avenue	22,397	.0275	617	43.73
Broadway, Equality Park place to One Mile Corner	23,945	.0515	1,235	87.54
Harrison avenue, Carroll avenue to Roseneath avenue	2,528	.0609	154	10.92
Marlborough street	2,272	.0677	154	10.92
	51,142		2,160	$153.11

Cost per gallon applied, .07088.
Average cost per square yard, .0029.

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FIFTH CAR OF DUSTOLINE.
Fourth Application, August 18 and October 25, 1911.

Street or Avenue.	Sq. Yds.	Average Gal. per Sq. Yd.	Gals. Used	Total Cost
Bellevue avenue,, Kay street to Lake View avenue	33,347	.0463	1,543	109.38
Broadway, Equality Park place to Bliss road	8,945	.0689	617	43.73
	42,292		2,160	$153.11

Cost per gallon applied, .07088.
Average cost per square yard, .0036.

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SIXTH CAR OF DUSTOLINE.
Second Application October 26 and 27, 1911.

Street or Avenue.	Sq. Yds.	Average Gal. per Sq. Yd.	Gals. Used	Total Cost
Old Beach road, Bellevue avenue to Rhode Island avenue	6,600	.0456	301	21.34
Elm street	2,416	.0749	181	12.83
Congdon avenue, Gould street north	1,179	.0780	92	6.52
	10,195		574	$40.69

Cost per gallon applied, .07088.
Average cost per square yard, .0039.

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SIXTH CAR OF DUSTOLINE.

Third Application, October 26 and 27, 1911.

Street or Avenue.	Sq. Yds.	Average Gal. per Sq. Yd.	Gals. Used	Total Cost
Bellevue avenue, Narragansett avenue to Bailey's Beach	31,301	.0353	1,108	78.54
East Bowery street, Bellevue avenue to Middleton avenue	3,522	.0451	159	11.27
Dresser street	2,053	.0452	93	6.59
Bridge street	2,629	.0699	184	13.04
Third street, Marsh street to Walnut street	2,660	.0710	189	13.40
Gould street	1,927	.0669	129	9.14
Tilley avenue	1,572	.0667	105	7.44
Rhode Island avenue, Broadway to Kay street	3,360	.0678	228	16.16
	49,024		2,195	$155.58

Cost per gallon applied, .07088.
Average cost per square yard, .0031.

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SIXTH CAR OF DUSTOLINE.
Fourth Application, October 25, 1911.

Street or Avenue.	Sq. Yds.	Average Gal. per Sq. Yd.	Gals. Used	Total Cost
Broadway, One Mile Corner to Bliss road	15,000	.0369	554	$39.27

Cost per gallon applied, .07088.
Average cost per square yard, .0026.

SIXTH CAR OF DUSTOLINE.
Fifth Application, October 25, 1911.

Street or Avenue.	Sq. Yds.	Average Gal. per Sq. Yd.	Gals. Used	Total Cost
Bellevue avenue, Kay street to Narragansett avenue	14,376	.0385	554	$39.27

Cost per gallon applied, .07088.
Average cost per square yard, .0027.

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Standard Oil.

The Point District and several other streets were treated with road oil, furnished and applied by the Standard Oil Company, with one of their Saybolt Oil Distributors, at an expense of $705.54.

This machine applies the oil under pressure in a fine spray, penetrating the surface of the roadbed, which gives better results on new macadam or re-surfaced roads.

The following is a list of the streets treated this year, viz.:

Street and Location.		Length feet.	Sq. yds.
Third Street:			
Walnut to Pine	700		
Pine to Training Station Road	3,530		
		4,230	7,363
Second Street:			
Bridge to Pine Street	1,680		
Battery to Van Zandt Avenue	425		
Van Zandt to Cypress Street	675		
Pine to Battery Street	225		
		3,005	5,455
Washington Street:			
Battery to Poplar Street	1,450		
Poplar Street, south	1,000		
		2,450	5,283
Sycamore Street		200	267
Cypress Street		180	240
Van Zandt Avenue:			
Farewell to Third Street	560		
Third Street, west	600		
		1,160	2,520
Battery Street		490	708
Pine Street		500	667
Cherry Street		770	1,112
Chestnut Street		500	713
Walnut Street:			
Washington to Third Street	500		
Third to Farewell Street	530		
		1,030	1,803
Poplar Street:			
Washington to Second Street	300		
Second to Third Street	200		
Third to Thames Street	860		
		1,360	2,579
Willow Street		780	1,083

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Chase Street		200	233
Marsh Street		570	1,108
Cross Street		460	639
Maitland Court		300	400
La Salle Place		300	400
Sunshine Court		300	428
Gibbs Avenue		1,400	2,878
Catherine Street		750	2,042
Prairie Avenue		640	1,778
Berkeley Avenue		3,468	8,893
Farewell Street:			
Van Zandt to Walnut Street	1,375		
Walnut to Warner Street	425		
Warner to Marlborough Street	1,100		
		2,900	5,726
Washington Square		680	3,377
Touro Street		600	1,100
		29,235	58,795

Headley Emulsion Oil.

On September 11th, 1911, we treated several streets with Headley's Emulsion Oil. This oil is mixed with water, six to one, that is to say, one part oil to six of water. The material was furnished to the city free of cost, with the exception of the payment of freight, and cost of applying. This road oil is highly recommended for steep grade streets, and gave good satisfaction. The streets should have received another application to have thoroughly tried out the experiment, but the company failed to send us the syphon to convey the oil from the iron barrels to the watering cart, so we were unable to make the second application.

The cost of freight and applying was $12.48, and the following streets were treated under the supervision of a representative of the Headley Company, viz.:

Touro Street, between Spring Street and Bellevue Avenue.
Mary Street, between Thames Street and Touro Street.
Church Street, between Thames Street and Bellevue Avenue.
Mill Street, between Thames Street and Bellevue Avenue.
Pelham Street, between Thames Street and Bellevue Avenue.

Quarry and Crusher.

The work of quarrying and crushing stone commenced on March 9th and continued until November 14th, when the plant was shut down for the winter. An extra appropriation of $450.00 was

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made this year for new crusher parts. $445.33 was expended, leaving a balance of $4.67.

The amount of stone quarried and crushed during the season was as follows, viz.: Ledge stone, 1,017 tons; crushed stone, 9,624 tons, making a total production of 10,641 tons.

The cost of quarrying and crushing stone this year was: Ledge stone, $.75 per ton, and crushed stone, $1.2077 per ton.

The present lease of the quarry expires this season, and the production is about exhausted. To continue work at this quarry would mean an extra expense of installing a pumping apparatus to keep the quarry free from water, which would of course increase the cost of production.

Statement of Stone Quarried and Crushed during the Year 1911.

	Ledge Stone	Crushed Stone
Annandale road		507
Bath road		193
Bedlow avenue		11
Bellevue avenue, Telford macadam	493	634
Bellevue avenue		643
Bowery street		58
Broadway		340
Broadway pavement		55
Byrnes street	5	92
Carroll avenue	1	
Chapel street		147
Coggeshall avenue, Tarvia		13
Coddington wharf	20	68
Edgar court	5	177
Farewell street		40
Francis street		130
Freebody street		263
Forty steps		11
Gibbs avenue		424
Harrison avenue		61
Kay street		588
Ledge road		32
McAllister street	10	118
Marlborough street		73
Narragansett avenue		50
New street		513
Old Beach road		75
Ocean avenue		106
Ocean avenue sea wall	361	

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	Ledge Stone	Crushed Stone
Perry street		40
Ridge road		19
Rhode Island avenue		127
Ruggles avenue	1	53
Second ward sewerage system		43
Second street	18	15
Sewer repairs	9	
Sheffield avenue		414
Sidewalks, granolithic		340
Sidewalks, general repairs		14
Spring street pavement		75
Streets, general repairs		647
Third street		289
Thurston avenue		26
Tilden avenue		143
Touro street		195
Van Zandt avenue		893
Vernon avenue		62
Wellington avenue widening	91	114
Wellington avenue wall	3	
William street		172
On hand, City yard		7
On hand, City crusher		522
	1,017	9,632
From crusher during year 1911	1,017	9,102
Purchased		8
On hand City crusher, December 23, 1911		522
	1,017	9,632

Statement of Diamond Hill Stone.

	Tons	Lbs.
Second street macadam (Sycamore to Cypress)	139	1,390
Second street macadam (Van Zandt to Sycamore)	41	1,150
Second street re-macadam (Van Zandt to Sycamore	103	60
General repairs to streets	14	860
	298	1,460

Statement of Clinton Point Stone.

	Tons
General repairs to streets	20

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Steam Road Rollers.

The re-macadamizing and re-surfacing of streets commenced on April 10th and continued until November 10th, when the work was shut down for the season. The Engineers are employed during the winter months to clean and repair their rollers, to put them in proper condition for the spring work.

Permanent Pavements Repaired.

	Sq. yds.
Bitulithic:	
Broadway	589
Spring street	841
	1,430
Tarvia:	
Coggeshall avenue	267

The cost for repairs to the Broadway bitulithic pavement, between and eighteen inches outside of rails, was paid by both street railway companies, which amounts were deposited with the City Treasurer to the credit of the appropriation for Street Repairs.

Streets Re-Macadamized.

The following streets were re-macadamized, viz.: Kay street from Rhode Island avenue to Bull street; Touro street from Clark street west; Rhode Island avenue from Old Beach road south; Second street from Van Zandt avenue north.

Streets Re-Surfaced.

Annandale road from East Bowery street to Merton road; Bellevue avenue from Pelham street to Bath road; Bowery street from King street to Bellevue avenue; Chapel street from DeBlois street to Old Beach road; Francis street; Freebody street from Merton road to East Bowery street; Kay street from Gibbs avenue to Powel avenue; Old Beach road from Bellevue avenue to Red Cross avenue; Perry street from Grant street to Spring street; Third street from Walnut street to Bridge street; Tilden avenue; Touro street from Kay street, west; Van Zandt avenue from Malbone avenue to Farewell street; Vernon avenue from Broadway, east; William street.

Full statistics will be found in another part of this report.

Streets Macadamized. (New Work).

Byrnes street; Coddington wharf; Edgar court; Gibbs avenue from Friendship street south; McAllister street; Second street from

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Sycamore street to Cypress street; Second street from Sycamore street south; Sheffield avenue from Malbone avenue west; New street, through Park from West Narragansett avenue to Wellington avenue.

Full statistics in another part of this report.

Telford Macadam.

Bellevue avenue from Kay street to Pelham street.

Wellington avenue widening from Pier to Halidon avenue.

Bedlow Avenue Sewer.

An 8-inch sewer was laid in Bedlow avenue from a point between Thurston avenue to Cummings avenue east, for a distance of 862 feet.

Part of this sewer, about 72 feet, was relaid and the grade changed accordingly.

Appropriation $850.00; expenditure $564.90; balance $285.10.

County Street Sewer.

A sewer was laid in County street, length 479 feet of 8-inch pipe. We expected to find rock in this locality and estimated accordingly, but owing to the soft condition of the earth, which made the excavating very easy, this department was able to lay this sewer at a much less figure than was estimated.

Appropriation $1,100.00; expenditure $572.60; balance $527.40.

Kilburn Court Sewer.

In the laying of this sewer, we expected to be obliged to enter the Broadway sewer on the west side of the street, but, we found the Broadway sewer in the center of Broadway, which together with the light condition of the soil of the court, we performed the work at a much lower figure than was anticipated.

Length of sewer, 284 feet of 8-inch pipe.

Appropriation $700.00; expenditure $224.22; balance $475.78.

Second Ward Sewerage System.

For many years a complex problem has been before the officials of the City as to the best method to dispose of the sewage and give relief to that section of the City, east of lower Kay street, Bliss road and vicinity. Various propositions have been considered from time to time, but none adopted until this year.

Several property owners, residing in this locality, again petitioned, and personally appeared before the Committee of Twenty-

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five, strongly stated the existing unsanitary conditions and earnestly requested that they be given relief in the near future.

The Committee of Twenty-five promptly acted upon the petition and referred the same to the Committee on Highways and Bridges. At a meeting of the latter committee, Captain Joseph P. Cotton and Street Commissioner J. K. Sullivan were appointed a committee to draw up a proposed plan, showing the eastern slope of the city, locate the sewers most needed at the present time, submit estimate, etc.

This sub-committee immediately got busy and in a short time they presented to the Committee on Highways and Bridges, a detail plan, which was duly referred to the Committee of Twenty-five, who after giving the matter careful consideration, recommended an appropriation of twenty-five thousand dollars for the Second Ward sewerage system, and which appropriation was passed by the Representative Council.

Work was commenced by this department on April 18th by the laying of the sewer in Fenner Avenue, and the system was completed on November 15th, taking practically seven months.

Sewers not contemplated when plans were made, were laid in Bliss road, from Fenner road east, for a distance of 479 feet; in Eustis avenue from Taber street north, for a distance of 716 feet; Eustis avenue sewer from Water Works road south, as extended upon request of Mr. A. B. Emmons, for a distance of 500 feet. The discharge pipe was also extended to Prairie avenue, an additional length of 236 feet. Another change in original plan was in laying sewer in Whitwell avenue instead of Anthony avenue.

The following is a complete list of the sewers, viz.:

	8-in.	10-in.	12-in.
Fenner avenue	709		
Caswell avenue	718		
Almy street	746		
Brooks avenue	346		
Ledyard place	384		
Fowler avenue	128		
Bliss road	769	1,436	
Whitwell avenue		871	
Robinson street	224		
Taber street		513	
Eustis avenue	1,942		1,310
Gibbs avenue	1,132		
Friendship street	169		
Powel avenue	191		

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Kay street	468		
Water Works road	457		
Champlin street	268		
Total	8,649 ft.	2,820 ft.	1,310 ft.

Inlet pipe to sewerage tank, 44 feet of 15-inch pipe.

Discharge pipe, 1,036½ feet of 6-inch extra heavy cast iron pipe.

A total increase to our sewerage system of 2.62 miles.

Excavation for the large receiving tank, connected with the sewage pumping station, was commenced on July 20th.

This tank is 37 feet in diameter and 12 feet deep, built of brick, 12-inch work. Capacity below inlet about 60,000 gallons. The bottom is 2 feet thick and composed of reinforced concrete. Both the walls and the bottom are waterproof. The top of the tank is roofed over with concrete, reinforced with iron beams, and contains four 24-inch manholes for cleaning tank or otherwise. A 1¼-inch screen was placed around the suction pipes to protect them from rags and other foreign substances.

The pump house is 12 feet by 16 feet in size, built of buff brick, and shingled with asbestos to make the building as near fireproof as possible. The basement is of the same depth of tank, the bottom of which is also built of reinforced concrete. and waterproof. I traded common brick, worth nine dollars per thousand, for the buff brick, worth thirty dollars per thousand, brick for brick. This made quite a saving of expense in this respect.

The method of pumping in former recommendations was by steam pumps, which would need the constant attention of two or three engineers, fuel, etc. This would make the maintenance of the plant very expensive. To obliterate this expense of maintenance, the Street Commissioner recommended that two electric driven pumps, which work automatically, be installed, and his suggestion was adopted.

This office advertised on July 8th, for bids for proposed plans and for furnishing two electric driven pumps, installed complete, ready for work.

Two bids were received, one from the Newport Foundry and Machine Corporation and the other from Messrs. Scannevin & Potter.

The former submitted a very low price, but, the class of pumps, plans, and method of installing were very vague and very unsatisfactory, and although I repeatedly asked for a more complete specification, they failed to comply with my request.

Messrs. Scannevin & Potter fulfilled every requirement called for in the advertisement, submitting a full, clear detail as to quality

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of pumps, plans, installation, etc., so after consulting a number of competent engineers and gentlemen, who are familiar with this class of work, I awarded the contract to Messrs. Scammevin & Potter, for the sum of $2,747.40, but, to fully protect the city, I made a stipulation in their contract, to the effect that 20 per cent. of the contract price, amounting to $549.40, would be retained by the City of Newport as a guarantee that the pumps would be in satisfactory running order at the end of six months from the date of completion and acceptance of their work. If, at the expiration of that time, the pumps were running properly, the 20 per cent. would be paid to them, otherwise, they would forfeit the amount retained.

The two electric driven pumps have 2-inch suction and 3-inch discharge. These pumps are placed in the basement of the pump-house on a level with the bottom of the tank. They are driven by two 7½ h. p. electric motors, one in operation, the other in reserve, and are guaranteed to discharge one hundred gallons per minute, which has been more than fulfilled. The discharge will be for a distance of over a thousand feet, and at an elevation of 38 feet. The motors are located on the first floor of the pump house.

Two pumps were installed with the idea to overcome any accident. If one pump should fail to operate, the other pump would immediately take up the work, or if at any time the amount of sewerage matter should be more than one pump could handle, the other pump will immediately come to its relief, and they will both work together. The pumps do not work until the floating suction gets to a certain point, which can be set and regulated. They will only need occasional attention by the chief foreman or some qualified employee of the department, without any extra expense to the City.

The cost of operation will be limited to practically electricity, which only can be determined by experience.

On July 12th this office advertised for bids for furnishing about 800 feet of extra heavy cast iron pipe to be used as a discharge. The contract was awarded to Mr. Thomas B. Connolly, the lowest bidder, for the sum of $26.00 per ton. Later we found that it was necessary to extend this discharge pipe from Hunter avenue to Prairie avenue, to intersect the main sewer, a distance of 236 feet. This additional pipe was purchased of the Newport Water Works and the Newport Gas Light Company.

The Mayor and the Board of Aldermen made an official inspection of the sewerage system on November 15th, and they expressed themselves as highly pleased with the smooth and excellent operation of the system. The next day, the 16th of November, the

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Second Ward sewerage system was put in operation, and so advertised in the daily papers.

This system is restricted to sewerage only, no cellar, roof or surface water to enter the same, and all permits are granted with this stipulation. The reason why this system is limited to sewerage is, because in consideration of the increased demands which will be made upon it, the system would not be of a large enough capacity to properly handle any surface water, especially during heavy rainfalls.

Twenty-four permits were granted up to and including December 16th to enter this system.

The department was very fortunate to have such a dry season to install this sewerage system, which was the means of reducing the cost of same very materially. Much more money would have been saved in the construction of the tank and pump house if we had not come in contact with a spring, which necessitated the installing of a steam boiler and pump and the employment of two men to operate same night and day. The Newport Water Works kindly loaned us the steam boiler and pump free of any cost to the city.

The total cost of the system was $17,738.64, appropriation $25,000.00, leaving a balance of $7,261.36.

The following is a detail account of expenditures, viz.:

Almy street sewer	$388 39
Bliss road sewer	2,043 60
Brooks avenue sewer	155 23
Caswell avenue sewer	322 68
Champlin street sewer	140 32
Eustis avenue sewer, Taber street, south	1,067 11
Eustis avenue sewer, Taber street, north	371 75
Eustis avenue sewer, Water Works road, south	649 46
Fenner avenue sewer	331 55
Fowler avenue sewer	90 68
Friendship street sewer	167 49
Gibbs avenue sewer	653 96
Kay street sewer	499 46
Ledyard place sewer	224 94
Powel avenue sewer	99 61
Robinson street sewer	156 49
Taber street sewer	500 79
Water Works road sewer	260 15
Whitwell avenue sewer	540 21
Sewerage pumping station, including sewerage tank, inlet pipe, electric pumps, installation, etc.	7,861 06

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Sewerage pumping station (maintenance):		
Electric power	[illegible]	
Electric light	[illegible]	
		[illegible]
Discharge pipe and laying		[illegible]
Grading grounds and planting hedge		[illegible]
Miscellaneous tools, etc.		[illegible]
Total, over		[illegible]
Amount due Messrs. Brannevin & Porter on contract, withheld as per agreement. Appropriation will be made next year for same		[illegible]
Actual cost of system		[illegible]

Bellevue Avenue Telford Macadam.

A Telford macadam roadbed was laid in Bellevue avenue from May street to Downing street, a distance of 1,[illegible] feet and at an average width of 22 feet 4 inches. When this piece was estimated we expected to be obliged to furnish all the stone required, but while excavating we found a large amount of stone that could be used in the construction of the new roadbed. This of course, reduced the expense of the work. The top material from this roadbed was carried to Gibbs avenue, and part of the cost of same was charged to this avenue.

Appropriation $4,240.00; expenditure $2,792.66; balance $1,447.34.

Gibbs Avenue Macadam.

This avenue was macadamized from Friendship place to Water Works road, using in part the material taken from Bellevue avenue, and the balance of the stone came from City Quarry. The conditions found in the construction of this work were much different than was anticipated, consequently the cost was more than the appropriation. It was necessary to finish the macadam to protect the amount of work done.

Appropriation $1,225.00; expenditure $1,224.32; balance $.68.

The extra cost, amounting to $105.94 was paid from the appropriation for Street Repairs.

Ocean Avenue Seawall.

The sea wall, Ocean avenue, was extended for a distance of 452 feet, 9 feet high by 2½ feet thick.

Appropriation $2,000.00; expenditure $1,994.17; balance $5.83.

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I recommend that an appropriation be made next year to continue this wall for the protection of the Ocean avenue roadbed. About 598 feet more will complete the wall.

Wellington Avenue Wall.

Owing to bad weather, we were unable to finish this wall last season. The work was completed this year.

Appropriation $200.00; expenditure $199.69; balance $.31.

Sea Wall, Cliff Walk at Webster Street.

I reported to your Honorable Body under date of September 21, 1911, that the sea wall at the extreme east end of Webster street at the Cliff Walk, was in a very dangerous condition and in need of attention. In my estimation the said wall will have to be built to meet the wall of Mrs. Robert Goelet. Her wall has fallen, which adjoins the city wall, and they both should be built at the same time to bond them together.

Ashhurst Place.

In giving the estimate for the improvement to this street, some misunderstanding was made regarding the amount of work to be done, and when we were about to perform the work, it was found that the appropriation was insufficient. We have however, charged the granite curb, which we have on hand at the City Yard, to this street, amounting to $257.00, and I recommend that an appropriation be made next year to complete the work.

Appropriation $525.00; granite curb charged up $257.00; balance $268.00.

Byrnes Street.

A new granite curb and gutter has been laid on the west side of Byrnes street, and the roadbed has been macadamized.

Appropriation $1,100.00; expenditure $1,031.69; balance $68.31.

Coddington Street.

In laying the new granite curb on the south side of Coddington street, to replace the double gutter, a large amount of cobbles were removed, and these cobbles were used instead of granite culls in making the new gutter. This of course reduced the cost of construction.

Appropriation $900.00; expenditure $405.81; balance $494.19.

Coddington Wharf.

This wharf has been improved by laying new granite curb and gutters on both sides and macadamizing the roadbed.

Appropriation $2,225.00; expenditure $1,707.58; balance $517.42.

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Edgar Court.

Edgar court has received a new granite curb and gutter on the east side, and new granite curb and gutter on the west side from Bath road to the Swinburne estate, and the roadbed has been macadamized.

Appropriation $2,500.00; expenditure $2,328.41; balance $171.59.

Freebody Street.

The west side of this street, from Martin estate to a point opposite Weaver avenue, has received a new granite curb and gutter, which greatly improves the conditions opposite Freebody Park.

Appropriation $1,100.00; expenditure $879.28; balance $320.72.

McAllister Street.

A new granite curb and gutter has been laid on the north side and a flagwalk and granite cull gutter laid on the south side, also the roadbed of this street has been macadamized. The flagstone used, was some we had on hand at the City Yard.

Appropriation $2,500.00; expenditure $2,496.89; balance $3.11.

Second Street, Between Sycamore and Cypress Street.

Second street, between the two points above mentioned, has been improved by the laying of a new granite curb and gutter on both sides, and macadamizing the roadbed. The stone used in the construction of the roadbed came from Diamond Hill, and was purchased from the Shepley Construction Company. This stone is of excellent quality and makes an exceptionally good macadam. The only drawback is in getting the stone here, and on the work. A storage plant, located near the railroad terminus, would facilitate matters in this respect.

Appropriation $1,550.00; expenditure $1,547.08; balance $2.92.

Second Street, Between Van Zandt Avenue and Sycamore Street.

The above part of Second street has received a new granite curb and gutter on the west side, and part of the roadbed new macadam. The stone used came from Diamond Hill.

Appropriation $465.00; expenditure $463.86; balance $1.14.

Sheffield Avenue.

Sheffield avenue from Malbone avenue west, for a distance of 600 feet, has been turnpiked and macadamized.

Appropriation $1,325.00; expenditure $1,321.51; balance $3.49.

I recommend that an appropriation be made next year to finish this street.

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West Pelham Street.

A new granite curb and gutter has been laid on the south side of this street, to replace the board walk.

Appropriation $500.00; expenditure $476.09; balance $23.91.

New Street.

A street has ,been opened up, turnpiked and macadamized through the King Park land, between West Narragansett avenue and Wellington avenue. After completing the work, I considered the street unsafe for public travel, so I fenced up the same until next spring.

In the construction of the roadbed of this street, the small steam road roller, belonging to Mr. J. K. Sullivan, was used, because owing to the soft condition of the road, it was considered unwise to attempt to perform the work with one of the department's heavy rollers.

Appropriation $2,500.00; expenditure $1,784.35; balance $715.65.

Wellington Avenue Widening.

Wellington avenue, from the Pier to Halidon avenue, has been widened. First we filled the space between the old roadbed and the newly built wall with the city refuse, then we macadamized same. The widening of the avenue at this point eliminates an exceedingly dangerous condition, which existed there. I would recommend that an appropriation be made next year to properly finish the work.

Appropriation $500.00; expenditure $445.18; balance $54.82.

Granolithic Sidewalks.

For the first time in eleven years, an appropriation was made for granolithic sidewalks, to be laid in certain streets, a separate appropriation for each street.

Total appropriation $16,150.00; expenditure $10,372.06; leaving an unexpended balance of $5,777.94.

The estimate of these sidewalks was figured upon a basis of the cost of previous years, but, owing to the exceptional good weather, the low cost of materials, and the efficient work performed solely by employees of the Department, we were enabled to do the work at a much less cost than was estimated.

The following is a complete detail report, viz.:

Labor as per pay rolls.....		$6,600 52
500¼ bbls. Nazareth Cement @ $1.27.....	$635 95	
669¼ bbls. Vulvanite Cement @ $1.32.....	883 41	
		1,519 36

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339-1100 tons crushed stone @ 9½ cts.	32 20	
Crusher acct., (crushed stone)	410 62	
143 480 tons stone dust @ $1.25	179 03	
Weighing stone dust (3 loads)	30	
		622 15
568-1130 tons gravel @ 60 cts.	341 14	
Weighing gravel	9 80	
		350 94
342 loads cinders @ 75 cts.	256 50	
169 loads cinders @ 50 cts.	84 50	
445 cubic yards cinders @ 50 cts.	222 50	
		563 50
247 lbs. lampblack @ 14 cts.		48 58
Lumber	63 03	
Cartage	75	
Milling	65	
		64 43
230 gallons kerosene		17 25
New tools	242 71	
Tool repairs	16 10	
		258 81
Stable account		326 52
		$10,372 06

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GRANOLITHIC SIDEWALKS.

Location.	Length Feet	Sq. Yds.	Appropriation	Expenditure	Balance
	555.5	346.6	$725.00	$475.73	$249.27
Ayrault street, north side, Kay to Francis	650.5	586.0	1,150.00	897.59	252.41
Bath road, south side, Cliff avenue to Cliff walk	154.9	161.5	930.00	282.17	647.83
Broadway, east side, City Hall north	794.6	293.7	750.00	526.72	223.28
Burnside avenue, north side	686.6	368.5	960.00	666.27	293.73
Carroll avenue, west side, Thames to Harrison (5 feet wide)	723.3	311.6	775.00	679.93	95.07
Clinton avenue, north side (4 feet wide)	1,142.4	893.8	2,500.00	1,211.63	1,288.37
Connection street, north side	729.2	381.7	800.00	681.68	118.32
Dixon street, south side, Thames to Spring					
East Bowery street, south side, Middleton to Bellevue (5 feet wide)	1,135.3	440.6	1,200.00	1,176.05	23.95
Friendship street, north side, Broadway-Bradford	422.5	286.0	725.00	523.12	201.88
Lincoln street, west side	412.5	218.0	570.00	359.37	210.63
Oak street, south side	238.0	118.5	245.00	155.23	89.77
Old Beach road, north side, Cottage to Greenough	481.8	228.4	470.00	427.31	42.69
Perry street, north side, Spring to Powel Estate	357.9	181.5	520.00	287.68	232.32
Thurston avenue, north side	337.3	149.9	260.00	257.56	2.44
William street, north side	1,000.2	467.8	1,550.00	715.33	834.67
West Pelham street, south side	227.5	114.4	360.00	189.30	170.70
Webster street, north side, Thames to Spring	875.4	634.0	1,660.00	859.39	800.61
	10,925.4	6,182.5	$16,150.00	$10,372.06	$5,777.94

Average cost per square yard, $1.677.

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Easton's Beach.

As usual, this year a man has been employed during the summer months in cleaning up the roadbed, mowing the grass plot, etc., at Easton's Beach. The iron fence has also been painted. Total expenditures during the year $397.01.

I would recommend that an appropriation be made next year to lay a granolithic sidewalk from the Cliff Walk to the entrance of the Beach.

Forty Steps.

The Forty Steps have been considerably improved this year by removing the old wooden platform and replacing same with concrete. A new stone wall has been built, six feet west of old line, 92 feet by 5½ feet by 20 inches. The steps have been changed, facing south to west, and have been rebuilt with concrete. We placed an iron picket fence, 67½ feet long and 4 feet high on top of the wall, also replaced rail fence to avoid accidents.

This improvement is permanent, and must be seen to be appreciated.

Appropriation $1,025.00; expenditure $773.69; balance $251.31.

Van Zandt Avenue Bridge.

This bridge has been painted this year, under contract with Mr. T. B. Dawley, for the sum of $160.00. Other repairs were made amounting to $2.36. Total expenditure $162.36.

Bridge Repairs.

The following bridges also received minor repairs, viz.:

Bedlow avenue	$23 48
Girard avenue	14 46
Green Bridge, Ocean avenue	27 15
Total	$65 09

City Floats.

Repairs have been made this year to the City Floats, amounting to $30.92.

Install Fountain, Touro Park.

The appropriation of $75.00, for installing the drinking fountain on Touro Park West, was hardly sufficient to cover the cost of same. When I submitted this estimate, I was only considering the drainage of the waste, and not the complete work of installation.

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This department laid the drain for the overflow, connecting the same with the Mill street sewer. Having some money left, we partly set up the fountain, but had to discontinue the work for want of funds.

The Board of Aldermen, on August 4th, passed a resolution authorizing and directing me to complete the installation of the fountain, and charge the expense to the appropriation for the maintenance of City Fountains. Although I hardly think that this was the proper proceeding to take, I employed Mr. Alex Booth to finish the work at an expense of $18.80, which amount was charged up as directed by the Board of Aldermen.

I would recommend that an appropriation be made next year to perform the necessary plumbing work to put this fountain in commission.

Appropriation $75.00; expenditure, including Mr. Booth's bill, $149.97; balance, $.03.

Washington Square Fountain.

A communication was received by the Board of Aldermen, under date of September 28th, 1911, from the National Humane Alliance of New York, advising the Board that the fountain that tney had presented to the City of Newport had been shipped. This communication was referred to this department. The fountain was to replace the one on Washington square, but we had no appropriation to install the same.

Street Commissioner J. K. Sullivan, however, temporarily assumed the cost of the installation of the fountain, the expense of which was $114.82, not including the lantern. An appropriation will have to be made next year for the amount, to reimburse the Street Commissioner.

Another appropriation will also have to be made for installing the fountain, which was formerly located on Washington square, to comply with the condition of the National Humane Alliance in presenting this city with a fountain.

Van Zandt Avenue Pier.

This pier is in a very bad condition, cribs are all rotting out. I would recommend that an appropriation be made next year to properly reconstruct the pier.

Ann Street Pier.

Ann street pier should receive next year, two or three new piles and other repairs that are necessary.

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Tree Preservation.

This year, the State did not make an appropriation for the spraying of trees, to exterminate the Elm Beetle and Tussock Moth, however, we used the State sprayer and paid for both the labor and material. The cost of spraying this year, was, labor $151.13; arsenic of lead $66.13; trimming and removing $81.71; leaving a balance of $1.03. I would recommend that a much larger appropriation be made next year for tree preservation , as we need more money for the removal of trees, which blow down during heavy wind storms.

Bellevue Avenue.

Something should be done regarding the roadbed of Bellevue avenue, which is one of the principle drives of the City.

The macadam is unable to resist the constant traffic of the automobiles. Again this season as in previous years, we thoroughly repaired the roadbed, but in a very short time, the automobiles had picked up and filled the macadam with pockets, so that we were obliged to patch with fine crushed stone, for more than half of the season.

The cost of repairs and resurfacing the roadbed this year, other than the Telford macadam, amounted to $1,752.53,, and of which amount, $454.52 was for patching.

To save this annual expense, this avenue should receive a roadbed of the same construction as Coggeshall avenue, which is of tarvia.

In 1907 we laid a section of tarvia macadam in Bellevue avenue, between Bowery street and Perry street, and after four years' wear, the roadbed is in a very good condition.

To treat the whole length of the avenue in any one year would no doubt be too large a proposition to consider, I therefore would suggest that the work be done in sections.

I would recommend that an appropriation be made next year to lay a tarvia macadam roadbed in that part of Bellevue avenue, between Kay street and Bowery street.

Sewer Permits.

During the year 111 permits to connect with sewers were issued, making a total to date of 3,729 since the system was adopted in 1884. The number and description of fixtures connected were as follows:—

	Previously reported.	1911.	Total.
Water closets	3,651	189	3,840
Laundry tubs	1,820	132	1,953

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Sinks	4,427	130	4,557
Bath tubs	1,742	89	1,831
Cellar drains	1,604	51	1,655
Bowls	503	125	628
Land drains	112	1	113
Roofs	811	53	864
Furnace pits	4		4
Stable fixtures	56	3	59
Families accommodated	4,431	113	4,544
Persons accommodated	6,080	339	6,419

New Sewers.

Special sewers:

Bedlow avenue ..... 862 ft. of 8-in. pipe
County street ..... 479 ft. of 8-in. pipe
Kilburn court ..... 284 ft. of 8-in. pipe

Emergency sewers:

Bay Side avenue, extend ..... 124 ft. of 8-in. pipe
Harrison avenue, extend ..... 180 ft. of 8-in. pipe
Peckham avenue, extend ..... 26 ft. of 8-in. pipe
Russo place ..... 178 ft of 8-in. pipe

Man-Holes Built.

Bedlow avenue	1
Bliss road, at Fenner avenue	1
Bliss road, at Caswell avenue	1
Bliss road, at Almy court	1
Bliss road, at Whitwell avenue	1
County street, east end	1
Eustis avenue, at Taber street	1
Eustis avenue, at Water Works road	1
Eustis avenue, at Champlin street	1
Kay street, at Eustis avenue	1
Kay street, at Gibbs avenue	1
Kay street, at Friendship street	1
Kay street at Powel avenue	1
Kilburn court, east end	1
Water Works road, at Gibbs avenue	1
Whitwell avenue, at Taber street	1
	16

Catch Basins Built.

West Pelham street, at Champlin's.
Second street, at Cypress street.

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Eye-Holes Built.

Congdon avenue, at Van Zandt avenue, east side.
Edgar court, at Bath road, west side.
Ocean avenue, at Bailey's Beach.

New Culverts.

Bailey's Beach ..... 130 ft. of 18-in. pipe
Water Works road ..... 110 ft. of 18-in. pipe
Wellington avenue, at Halidon avenue..... 32 ft. of 18-in. pipe

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PERMITS FOR STREET AND SIDEWALK OPENINGS, ETC.

	Jan	Feb	Mch	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Totals
Laying gas services				2	5	8	5	6	6	2	1		35
Laying gas mains									1				1
Extending gas mains					1						1		2
Repairing gas mains							1					1	2
Repairing gas services				1									1
Placing gas lamps						2	1						3
Repairing gas lamps				1									1
Electric Conduit	3			9	2	2	1	1		1	2		21
Connecting waste from electric conduit.					6								6
Electric light repairs					1								1
Telephone Conduits	2		2	2		1		1					8
Repairing telephone conduits						1							1
Repairing street railway tracks			1	6		1	1	1					10
Clearing drains	1				3				3		1		8
Repairing and relaying sewers	1	1	2				1				1		6
Rain water leader					2			1				1	4
Gutter bridge										1			1
Repairing streets						4							4
Laying granolithic sidewalks				1						1			2
Repairing sidewalks					1	1				1			3
Sidewalk lights				1			1						2
Use of sidewalk for building	3	6	3	1	1	1	3		2		1	3	24
Laying driveways								1					1
Laying crossings											1		1
Fire alarm wires				2									2
	10	7	8	26	22	21	14	11	12	6	8	5	150

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STREETS TELFORD MACADAMIZED.

Street or Avenue	Ledge Stone	Tons Crushed Stone	Days Steam Roller	Avg Depth Work	Length Feet	Width Feet	Sq. Yds.	Cost per Sq. Yd.	Total Cost
Bedford avenue from Bay street to Dowsing street	493	634	33	12 in	1,028	22 ft. 6 in	2,570	1.086	2,792.06
Wellington avenue widening	91	114	9	8 in.	500	20 in.	1,111	.401	445.18
	584	748	42		1,528		3,681		$3,237.84

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STREETS MACADAMIZED (NEW WORK).

Street or Avenue.	Tons Cr. Stone	Days Steam Roller	Avg. Depth Work	Length Feet	Width Feet	Sq. Yds.	Cost per Sq. Yd.	Cost Macadam	Cost Turnpike	Total Cost
Byrnes street	92	9	4 in.	350	14 ft 6 in	564	$ .504	$282.25	$	$282.25
Coddington wharf	68	6	4 in.	357	11 ft 6 in	456	.449	205.06		205.06
Edgar court	177	10½	6 in.	600	17 ft	1,133	.416	472.32	40.74	513.06
Gibbs avenue, Friendship place to Water Works road,	424	26½	6 in.	1,221	20 ft	2,712	.490	1,330.26		1,330.26
McAllister street	118	7	5 in.	721	14 ft	1,133	.284	321.91		321.91
Second street (Sycamore-Cypress)	* 147	9	6 in.	341	21 ft	795	.519	412.65		412.65
Second street (Sycamore street south)	* 42	3	6 in.	150	21 ft	350	.439	153.74		153.74
Sheffield avenue,. Malbone avenue west	414	22	6 in.	600	22 ft	1,466	.779	1,143.37	178.14	1,321.51
New street (West Narragansett to Wellington avenue	513	22	6 in.	689	30 ft	2,296	.624	1,432.86	233.50	1,666.36
	1,995	115		5,029		10,905		$5,754.42	$452.38	$6,206.80

* 140 Tons Diamond Hill Stone.

* Diamond Hill Stone.

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STREETS RE-MACADAMIZED.

Street or Avenue.	Tons Crushed Stone	Days Steam Roller	Avg. Depth Work	Length Feet	Width Feet	Sq. Yds	Cost per Sq. Yd	Total Cost
Kay street, Rhode Island avenue to Bull street	501	24½	5 in	1,037	22 ft.	4,735	$ 275	$1,305 04
Rhode Island avenue, Old Beach road south	127	6½	5 in.	500	18 ft.	1,000	326	325 33
Second street, Van Zandt avenue north	109	8	7 in	205	21 ft.	478	625	298 70
Touro street, Clark street west	126	5	3 in	524	15 ft. 8 in	612	340	210 08
	863	44		3,166		7,125	$ 310	$2,248 84

* 103 tons Diamond Hill Stone.

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STREETS RE-SURFACED AND ROLLED.

Street or Avenue.	Tons Crushed Stone	Days Steam Roller	Length Feet	Width Feet	Sq. Yds.	Cost per Sq. Yd.	Total Cost
Annandale road, East Bowery street to Merton road	282	18	1,015	20 ft.	2,255	.344	$774.92
Bellevue avenue, Pelham street to Bath road	279	16½	492	29 ft. 5 in.	1,608	.452	727.52
Bowery street, King street to Bellevue avenue	58	5	513	16 ft. 6 in.	940	.190	177.14
Chapel street, DeBlois street to Old Beach road	147	10½	926	20 ft.	2,057	.206	425.17
Francis street	130	10½	533	22 ft. 3 in.	1,317	.302	398.15
Freebody street, Merton road to East Bowery street	263	17	568	23 ft. 6 in.	1,483	.486	721.65
Kay street, Gibbs avenue to Powel avenue	87	7½	465	11 ft.	568	.474	269.33
Old Beach road, Bellevue avenue to Red Cross avenue	75	7½	1,336	15 ft. 6 in.	2,300	.103	237.68
Perry street, Grant street to Spring street	40	5	325	18 ft.	650	.212	138.07
Third street, Walnut street to Bridge street	212	10¾	944	17 ft.	1,783	.320	570.76
Tilden avenue	143	8	952	10 ft. 6 in.	1,110	.347	385.17
Touro street, Kay street west	69	5	309	17 ft.	583	.361	210.42
Van Zandt avenue, Malbone avenue to Farewell street	893	55	2,439	25 ft. 9 in.	6,978	.361	2,520.24
Vernon avenue, Broadway east	62	7	375	18 ft.	750	.291	218.11
William street	172	12½	1,193	13 ft. 8 in.	1,811	.270	489.19
	2,912	195½	12,385		26,193	.315	$8,263.52

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New Crossings.

Bellevue avenue, at Downing street	30 ft. 5 in. x 6 ft.
Bellevue avenue, at Mill street	29 ft. x 6 ft.
Richmond street, at Thames street	31 ft. 5 in. x 4 ft. 9 in.
Ruggles avenue, at Bellevue avenue	21 ft. x 7 ft.
West Broadway, at Gould street	32 ft. x 5 ft.

Crossings Repaired.

Bath road at Freebody street	25 ft. x 6 ft. 6 in.
Bath road at Bellevue avenue	27 ft. x 6 ft.
Bellevue avenue at Catherine street	11 ft. x 5 ft.
Bellevue Court at Bellevue avenue	25 ft. x 5 ft.
Bowery street at Bellevue avenue	32 ft. x 6 ft.
Branch street at West Broadway	27 ft. x 10 ft.
Broadway at Brooks avenue	40 ft. x 4 ft.
Bull street at Mount Vernon street	20 ft. x 6 ft.
Catherine street at Bellevue avenue	29 ft. x 4 ft.
Central street at Bull street	25 ft. x 6 ft.
Charles street at Washington square	15 ft. x 9 ft.
Church street	23 ft. x 7 ft.
Corne street at Mill street	15 ft. 9 in. x 2 ft.
Dixon street at Bellevue avenue	27 ft. x 5 ft.
Edward street at West Broadway	17 ft. x 6 ft.
Edward street at West Broadway	27 ft. x 10 ft.
Freebody street at Bath road	28 ft. x 5 ft. 6 in.
Levin street at Bellevue avenue	10 ft. x 5 ft.
Marlborough street at Broadway	104 ft. x 10 ft.
Marine avenue at Bellevue avenue	38 ft. x 7 ft.
Mount Vernon street at Sherman street	25 ft. x 7 ft.
Redwood street at Bellevue avenue	12 ft. x 8 ft.
Washington square by Army & Navy Y. M. C. A.	50 ft. x 4 ft.
Warner street at Pleasant street	20 ft. x 8 ft.
West Marlborough street at Thames street	40 ft. x 6 ft.
West Marlborough street at Thames street	30 ft. x 5 ft.

New Driveways Paved.

Coddington wharf at "Buckley's"	13 ft. 10 in. x 1 ft. 8 in.
Coddington wharf at "Buckley's"	10 ft. 9 in. x 1 ft. 6 in.
Coddington wharf at "Reagan's"	10 ft. 11 in. x 1 ft. 6 in.
Coddington wharf at "Hodgson's"	11 ft. x 1 ft. 6 in.
Edgar court at "Tabb's"	13 ft. 6 in. x 2 ft.
Edgar court at "Water's"	19 ft. 9 in. x 1 ft. 4 in.
Rhode Island avenue at "Chase's"	20 ft. x 3 ft.

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Driveways Repaired.

Powel avenue at "Manchester's"	12 ft. x 4 ft.
Powel avenue at "King's"	12 ft. x 4 ft.
Spring street at "McCormick's"	13 ft. x 8 ft.

New Granite Cutters.

Byrnes street	20 ft. x 4 ft.
Byrnes street	345 ft. x 2 ft.
Coddington wharf	87 ft. x 3 ft.
Coddington wharf	702 ft. x 2 ft.
Carroll avenue, corner Harrison avenue	23 ft. x 2 ft.
Edgar court	906 ft. x 2 ft.
Freebody street	461 ft. x 2 ft.
McAllister street	704 ft. x 2 ft.
McAllister street	413 ft. x 3 ft.
Second street, Sycamore to Van Zandt avenue	169 ft. x 2 ft.
Second street, Sycamore to Cypress street	647 ft. x 2 ft.
West Pelham street	236 ft. x 2 ft.
Wellington avenue at New street	47 ft. x 4 ft.

New Cobble Gutter.

Coddington street	405 ft. x 2 ft.

Gutters Repaved.

Granite Blocks:

Bellevue avenue at Ruggles avenue	15 ft. x 2 ft.
Bliss road	400 ft. x 2 ft.
Congdon avenue	40 ft. x 2 ft.
Dixon street near Bellevue avenue	30 ft. x 6 ft.
Friendship street	360 ft. x 2 ft.
Hope street	840 ft. x 2 ft.
Prescott Hall road	91 ft. x 6 ft.
Prescott Hall road	1151 ft. x 2 ft.
Spring street, Dixon to Perry street	778 ft. x 2 ft.
Wellington avenue at Clinton street	13 ft. x 4 ft.
West Broadway near Edward street	49 ft. x 2 ft.

Cobble stone:

Ayrault street, Kay to Francis street	440 ft. x 2 ft.
Bellevue avenue at Bellevue court	37 ft. x 5 ft.
Central street near Bull street	30 ft. x 2 ft.
Channing street	430 ft. x 2 ft.
Church street	400 ft. x 2 ft.
Corne street, Mill to Pelham street	393 ft. x 2 ft.
Gould street	50 ft. x 2 ft.

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Halsey street	382 ft. x 2 ft.
Levin street	43 ft. x 2 ft.
Mill street, Thames to Spring street	488 ft. x 2 ft. 9 in.
Mill street, Thames to Spring street	575 ft. x 2 ft. 4 in.
Mill street, Spring to Corne street	203 ft. x 2 ft. 5 in.
Mill street, Corne to Touro Park West	379 ft. x 2 ft.
Mill street at Corne street	19 ft. x 5 ft. 10 in.
McAllister street	310 ft. x 3 ft.
Old Beach road, Tew's court to Chapel st.	140 ft. x 1 ft. 6 in.
Perry street	76 ft. 6 in. x 2 ft. 4 in.
Pleasant street	200 ft. x 2 ft.
Powel avenue	330 ft. x 2 ft.
School street	127 ft. x 2 ft.
Washington street at Pine street	43 ft. x 4 ft.
Warner street, Pond to Spruce street	300 ft. x 2 ft.
West Marlborough street	191 ft. x 2 ft.

New Granite Curb.

Byrnes street	345 ft.
Coddington wharf	655 ft. 10 in.
Coddington street	379 ft.
Edgar court	863 ft.
Freebody street	458 ft. 11 in.
McAllister street	704 ft. 8 in.
Second street, Sycamore to Van Zandt avenue	169 ft. 8 in.
Second street, Sycamore to Cypress street	667 ft. 5 in.
West Pelham street	236 ft.
	4,479 ft. 6 in.

New Blue Stone Curb.

Carroll avenue, corner Harrison avenue	21 ft. 7 in.
Coddington street	7 ft. 5 in.
	29 ft.

Curbs Re-Set.

Granite:

Congdon avenue	40 ft.
Friendship street	300 ft.
Halsey street	350 ft.
Wellington avenue	15 ft.
	705 ft.

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Bluestone:

Ayrault street, Kay to Francis street	440 ft.	
Corne street, Mill to Pelham street	390 ft.	
East Bowery street	625 ft.	
Hope street	800 ft.	
Mill street, Thames to Spring street	308 ft.	
Mill street, Spring to Corne street	210 ft.	
Mill street, Corne to Touro Park West	341 ft.	
Perry street	76 ft.	6 in.
Powel avenue	210 ft.	
Spring street, Dixon to Perry street	778 ft.	
	4,178 ft.	6 in.

Granolithic:

Bradford avenue	100 ft.	
Pleasant street	400 ft.	
Prescott Hall road	1,151 ft.	
	1,651 ft.	

Streets Patched.

Bateman avenue, Bath road, Battery street, Bellevue avenue, Branch street, Brandt street, Bridge street, Broadway, Callender avenue, Carroll avenue, Catherine street, Chapel street, Chastellux avenue, Church street, Coggeshall avenue, Connection street, Corne street, Cranston avenue, Dixon street, East Bowery street, Eastnor road, Elm street, Francis street, Franklin street, Friendship street, Gibbs avenue, Golden Hill street, Halidon avenue, Harrison avenue, Hope street, Jeffery road, John street, Kay street, Levin street, Malbone avenue, Marchant street, Mary street, Merton road, Middleton avenue, Mill street, Morton avenue, Narragansett avenue, Newport avenue, Ocean avenue, Ochre Point avenue, Old Beach road, Pelham street, Perry street, Powel avenue, Ridge road, Roseneath avenue, Ruggles avenue, Second street, Spring street, South Baptist street, Thames street, Touro Park West, Touro street, Van Zandt avenue, Walnut street, Warner street, Washington square, Washington street, Water Works road, Wellington avenue, West Broadway, West Marlborough street, Wheatland avenue.

Streets Turnpiked.

New Street	689 ft. x 30 ft.	2,296 Sq. Yds.
Sheffield avenue	950 ft. x 22 ft.	2,322 Sq. Yds.
	1,639 ft.	4,618 Sq. Yds.

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New Flag Walk.

McAllister street	412 ft. 10 in. x 1 ft. 6 in.

Sidewalk Repairs.

Flagstone:

Ann street	50 ft. x 8 ft.
Barney street	37 ft. x 4 ft.
Church street, south side	140 ft. x 8 ft.
Church street, north side	175 ft. x 5 ft.
Division street	54 ft. x 9 ft.
Green street	36 ft. x 5 ft.
Gidley street	200 ft. x 3 ft.
Mount Vernon street	120 ft. x 5 ft.
McAllister street	310 ft. x 1 ft.
Mill street	300 ft. x 7 ft.
Redwood street	30 ft. x 6 ft.
School street	127 ft. x 8 ft.
Thames street	46 ft. x 7 ft.
Ivanhoe street, Mount Vernon to Whitfield court	213 ft. x 8 ft.
[illegible] street at Dr. Brackett's, north side	100 ft. x 7 ft.

Brick:

Broadway	75 ft. x 9 ft.
Green street	40 ft. x 5 ft.
McAllister street	50 ft. x 7 ft.
Thames street	37 ft. x 9 ft.
Washington square	50 ft. x 7 ft.

Asphalt Blocks:

Thames street, Pine to Harrison street	40 ft. x 9 ft.
Thames street, [illegible]	40 ft. x 6 ft.

Sea Wall Repaired.

Sea [illegible] street

Washington square

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COMPARATIVE STATEMENT OF FUEL CONSUMED BY DEPARTMENT.

	1909.			1910.			1911.		
	Tons	Cds.	Cost	Tons	Cds.	Cost	Tons	Cds.	Cost
Cumberland Lump Coal at $8.20	-1000		$4.10			$			
Cumberland Coal at 5.25	142-1020		751.33	149-1800		787.00			
Cumberland Coal at 5.26							173-1800		$904.28
Egg Coal at 6.87				109-1380		753.54			
Egg Coal at 6.85							121-		828.85
Egg Coal at 6.80	104		707.20						
Egg Coal at 6.75	2		13.50						
Stove Coal at 6.87				22- 104		151.50	3		20.61
Stove Coal at 6.85							23		157.55
Stove Coal at 6.80	17- 144		116.03	3-1966		27.08			
Stove Coal at 6.75	10		67.50						
Wood at 10.75		1	10.75						
Wood at 9.75					26½	257.94		33-7	330.19
Wood at 9.25		28	259.34						
Wood (4 cut)		-4	2.81						
	276- 164	29-4	$1,932.56	285-1250	26-2	$1,977.06	320-1800	33-7	$2,241.48

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DEPARTMENT OF HIGHWAYS AND BRIDGES

Forage Consumed at City Stable during the Municipal Year of 1911.

Eleven Horses

	June lbs.	July lbs.	Aug. lbs.	Sept. lbs.	Oct. lbs.	Nov. lbs.	Dec. lbs.	Total lbs.	Total Tons	Total Bu.	Total Cost
Hay	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	42 468		$1,089.48
Oats	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		1,460	719.71
Corn	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	2 1,050		51.73
Bran	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]			19.70
Salt		[illegible]						[illegible]			40
											$1,881.02

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INVENTORY OF PROPERTY BELONGING TO THE DEPARTMENT OF HIGHWAYS AND BRIDGES.

Office.

1	Victor safe	$180 00	
1	Iron safe (City Yard office, Long wharf)	25 00	
1	Iron safe (loaned License Commissioners)	140 00	
	Furniture, clock, stoves, desk, copypress, etc.	55 00	
1	Engineer's transit	250 00	
1	Set engineer's drafting instruments	5 50	
1	Plummet lamp	5 00	
1	Exploding battery	25 00	
1	Engineer's level and rod	50 00	
			$735 50

Wharf and Stable.

1	Fairbank's scale	$50 00	
10	Horses	1,500 00	
3	Stone wagons	300 00	
4	Dump carts	80 00	
2	Two-horse steel dump carts	300 00	
2	Two-horse steel dump carts (old)	50 00	
3	One-horse steel dump carts	375 00	
1	Double gear	75 00	
1	Single gear	50 00	
1	Express wagon	50 00	
1	Street sweeper	10 00	
1	Two-horse roller	200 00	
9	One-horse watering carts	450 00	
9	Two-horse watering carts	900 00	
4	Sets double harness	150 00	
4	Sets cart harness	20 00	
4	Sets single wagon harness	20 00	
9	Waterproof covers	8 00	
11	Woolen blankets	11 00	
9	Baker blankets	9 00	
9	Stable forks	4 50	
2	Wagon jacks	1 00	
3	Steam road rollers	9,000 00	
2	Stone trucks	20 00	
1	Patrol wagon	2 00	
12	Iron wheelbarrows	120 00	
2	Lawn mowers	5 00	
8	Wooden wheelbarrows	12 00	

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1	Derrick, complete	150 00
1	Controlling nozzle and pipe	10 00
6	Spanner wrenches	2 50
7	Hydrant wrenches	7 00
2	Ship pumps and hose (50 ft.)	75 00
85	Lanterns and globes	42 50
1	Gravel screen	6 00
1	Tree pruner	1 00
6	Ice picks	1 50
2	Cast iron stoves	25 00
4	Jack screws	8 00
1	Asphalt pot	3 00
2	Babbitt pots	2 00
2	Tar kettles on wheels	266 00
2	Claw hammers	30
2	Machinist hammers	1 00
1	Asphalt repair plant and tools complete	400 00
6	Asphalt maddocks	6 00
3	Three-inch augers	12 00
4	Small augers	2 00
1	[illegible]	2 00
1	[illegible]	2 00
4	[illegible]	6 00
2	[illegible]	4 00
7	[illegible]	3 50
[illegible]	[illegible]	1 00
1	[illegible]	2 00
4	[illegible]	4 00
2	[illegible]	15 00
[illegible]	[illegible]	2 00
[illegible]	[illegible]	3 50
[illegible]	[illegible]	3 50
[illegible]	[illegible]	12 00
[illegible]	[illegible]	5 00
[illegible]	[illegible]	2 00
[illegible]	[illegible]	12 25
[illegible]	[illegible]	24 00
[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]

3	Maddocks	1 50
6	Iron rakes	4 50
2	Tape measures	1 00
1	Steel tape measure	7 50
20	Guard pins and ropes	4 00
2	Manhole guards	5 00
1	Hydrant valve	2 00
4	Tool boxes	10 00
3	Sets blocks and falls	15 00
7	Stilson wrenches	7 00
7	Monkey wrenches	3 50
2	Pair chain tongs	10 00
1	Bolt cutter	50
3	Bench vises	12 00
1	Flush tank	30 00
1	24-inch manhole grate and rim	9 00
1	24-inch manhole cover and rim	9 50
1	Light iron cover	50
37	Long handle shovels	37 00
3	Heavy iron covers	6 00
25	Short handle shovels	18 75
1	Stone roller	25 00
7	Large axes	10 50
2	Small axes	2 00
3	Ox chains	3 00
4	Spades	4 00
4	Scythes and blades	6 00
3	Squares	3 00
1	Trowel	50
3	Rubber covers	2 00
24	Hoes	13 00
2	Pair oilskin pants	2 00
6	Pipe wrenches	3 00
3	California pumps	4 50
2	Smoothing trowels	1 50
1	Pair trimming shears	1 50
14	Pails	1 40
6	Iron drinking pails	3 00
2	Step ladders	2 00
2	Joiners (granolithic tools)	2 00
1	Emery wheel	5 00
1	Set wood chisels	10 00
3	Planes	6 25
4	Screw drivers	2 00

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1 Set dies and taps	15 00	
1 Bevel	1 00	
1 Pipe cutter	1 00	
1 Painter's torch	1 50	
2 Sets stencils	3 00	
1 Hatchet	50	
3 50 gallon oil cans	12 00	
2 Funnels	50	
2 ½ gallon measures	1 00	
1 Blacksmith's portable forge	12 60	
1 Pair snips	2 00	
1 Set sewer cleaning rods and fittings	50 00	
1 Soldering iron	1 50	
1 Ratchet drill and 16 drills	15 00	
2 Iron clamps	1 00	
1 Drawing knife	1 00	
[illegible]	1 25	
1 [illegible]	[illegible]	
1 [illegible]	[illegible]	
1 [illegible]	[illegible]	
1 [illegible]	[illegible]	
1 [illegible]	3 00	
		$15,510 10

Sweeping Farm

[illegible]	[illegible]	
[illegible]	[illegible]	
[illegible]	[illegible]	
		$965 40

Quarry

[illegible]	[illegible]	
[illegible]	[illegible]	
[illegible]	[illegible]	
[illegible]	[illegible]	
[illegible]	[illegible]	
[illegible]	[illegible]	
[illegible]	[illegible]	
[illegible]	[illegible]	[illegible]

[illegible]

[illegible]	[illegible]	
[illegible]	[illegible]	
		[illegible]

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Collins' Beach.

1 Steam boiler, pump and tank.....	500 00

Hazard's Beach.

1 Steam boiler, pump and tank.....	700 00

Long Wharf.

1 Steam boiler, pump and tank.....	300 00

Second Ward Sewerage System.

Pump house, tank, electric motors and pumps, etc.....	7,500 00
	$32,152 10

STATEMENT OF CASH RECEIVED AND DEPOSITED WITH THE CITY TREASURER DURING THE MUNICIPAL YEAR OF 1911.

General Fund.		Highway Fund.	
Wharfage.....	$298 50	Labor.....	$110 00
Weighing.....	226 90	Materials.....	3 60
Permits.....	125 50	Relaying roadbeds....	852 37
Street Sweepings.....	309 75	Use of watering cart.	4 00
Manure.....	36 00	Use of horse roller...	2 00
Miscellaneous.....	1 40	Use of pump.....	38 00
Worn-out watering Cart.....	50 00	Applying Dustoline...	200 00
Flagstone.....	15 00		
Old stone.....	12 47		
Asphalt blocks.....	3 00		
Park Commission. ...	250 00		
	$1,328 52		$1,209 97

RECEIPTS AND EXPENDITURES OF ACCOUNTS IN CHARGE OF THE DEPARTMENT OF HIGHWAYS AND BRIDGES FOR THE MUNICIPAL YEAR OF 1911.

Receipts.

Appropriation.....	$144,530 08
Appropriation, Second Ward Sewerage System.....	25,000 00
Appropriation, Install fountain, Touro Park.....	75 00

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Appropriation, Wellington Avenue widening.....	500 00
Cash received and deposited with the City Treasurer to the credit of the Highway Fund, as per above statement.	1,205 97
	$171,315 05

Disbursements.

Paid for labor.	$112,479 24
Paid for materials.	32,156 16
Balance unexpended.	26,679 65
	$171,315 05

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STATEMENT SHOWING APPROPRIATIONS, DEPOSITS WITH CITY TREASURER, DISBURSEMENTS AND BALANCES OF ACCOUNTS IN CHARGE OF THE DEPARTMENT OF HIGHWAYS AND BRIDGES DURING THE MUNICIPAL YEAR OF 1911.

	Appropriations	Deposits City Treas.	Total Appro.	Disbursements	Balances
PUBLIC WEIGHTS AND MEASURES.					
3.7—City scales, City wharf	$100.00	$	$100.00	$45.12	$54.88
PUBLIC SAFETY.					
3.8—Railroad crossings	$50.00		$50.00	$10.90	$39.10
PUBLIC SANITATION.					
5.0—Supervision	$2,637.79	$	$2,637.79	$2,564.71	$73.08
5.1—Street Cleaning	30,000.00		30,000.00	28,789.00	1,211.00
5.2—Refuse disposal	6,650.00		6,650.00	6,578.24	71.76
5.3—Sewers and sewerage disposal	8,500.00	38.00	8,538.00	7,409.72	628.28
Bedlow avenue sewer	850.00		850.00	564.90	285.10
County street sewer	1,100.00		1,100.00	572.60	527.40
Kilburn court sewer	700.00		700.00	224.22	227.78
Second Ward sewerage system	25,000.00		25,000.00	17,738.64	7,261.36
	$75,437.79	$38.00	$75,475.79	$64,714.25	$10,761.54

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[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	$ [illegible]	$	$3,[illegible]	$3,147.16	$[illegible]
[illegible]	[illegible]	942.96	27,942.96	26,673.50	1,269.47
[illegible]	[illegible]		200.00	30.92	169.08
[illegible]	[illegible]		500.00	141.80	358.20
[illegible]	[illegible]		750.00		750.00
[illegible]	[illegible]		450.00	445.33	4.67
[illegible]	[illegible]		300.00	16.40	283.60
[illegible]	[illegible]				
[illegible]	4,240.00		4,240.00	2,792.66	1,447.34
[illegible]	2,000.00		2,000.00	1,994.17	5.83
[illegible]	200.00		200.00	199.69	.31
[illegible]	525.00		525.00	257.00	268.00
[illegible]	1,100.00		1,100.00	1,031.69	68.31
[illegible]	900.00		900.00	405.81	494.19
[illegible]	2,225.00		2,225.00	1,707.58	517.42
[illegible]	2,500.00		2,500.00	2,328.41	171.59
[illegible]	1,100.00		1,100.00	879.28	220.72
[illegible]	1,225.00		1,225.00	1,224.32	.63
[illegible]	2,500.00		2,500.00	2,496.89	3.11
[illegible]	1,550.00		1,550.00	1,547.08	2.92

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Second street, Van Zandt avenue to Sycamore street, curb west side and macadamize	465.00		465.00	463.86	1.14
Sheffield avenue, macadamize	1,325.00		1,325.00	1,321.51	3.49
West Pelham street, curb south side	500.00		500.00	476.09	23.91
New street, between Wellington avenue and West Narragansett avenue, grade and macadamize	2,500.00		2,500.00	1,784.35	715.65
Wellington avenue, widen macadamize	500.00		500.00	445.18	54.82
Granolithic sidewalks	16,150.00		16,150.00	10,372.06	5,777.94
6.6—Snow removal	3,500.00		3,500.00	1,871.61	1,628.39
6.8—Street Sprinkling	13,000.00	229.00	13,229.00	13,028.39	200.61
6.9—Bridge repairs	300.00		300.00	227.45	72.55
	$91,033.79	$1,171.97	$92,205.76	$77,310.19	$14,895.57
PUBLIC RECREATIONS.					
9.5—Easton's Beach	$500.00		$500.00	$397.01	$102.99
Forty Steps, repairs	1,025.00		1,025.00	773.69	251.31
City piers, repairs	400.00		400.00	12.14	387.86
	$1,925.00		$1,925.00	$1,182.84	$742.16

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	Appropriations	Deposits City Treas.	Total Appro.	Disbursements	Balances
[illegible]					
[illegible]	$[illegible]		$[illegible]	$[illegible]	$[illegible]
[illegible]	[illegible]		[illegible]	[illegible]	[illegible]
[illegible]	[illegible]		[illegible]	[illegible]	[illegible]
	$[illegible]		$[illegible]	$720.91	$4.09
[illegible]					
[illegible]	$[illegible]		$833.50	$820.27	$13.23
[illegible]	[illegible]		50.00	30.92	19.08
[illegible]	[illegible]		150.00		150.00
	$[illegible]		$1,033.50	$851.19	$182.31
[illegible]					
[illegible]	$100.00	$	$100.00	$45.12	$54.88
[illegible]	50.00		50.00	10.90	39.10
[illegible]	76,437.79	38.00	75,475.79	64,714.25	10,761.54
[illegible]	91,033.79	1,171.97	92,205.76	77,310.19	14,895.57
[illegible]	1,925.00		1,925.00	1,182.84	742.16
[illegible]	525.00		525.00	520.91	4.09
[illegible]	1,033.50		1,033.50	851.19	182.31
Totals	$170,105.08	$1,209.97	$171,315.05	$144,635.40	$26,679.65

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SUMMARY OF EXPENDITURES OF THE DEPARTMENT OF HIGHWAYS AND BRIDGES FOR THE MUNICIPAL YEAR OF 1911.

	Labor.	Materials.	Total.
Public Weights and Measures.			
3.7 City Scales.	$13 26	$31 86	$45 12
Public Safety.			
3.8 Poplar Street railroad crossing	83	10 07	10 90
Public Sanitation.			
5.0 Supervision.	2,493 79	70 92	2,564 71
5.1 Street Cleaning.			
Cleaning streets.	17,420 72	264 93	17,685 65
Cleaning Thames Street.	5,409 01	590 49	5,999 50
Cleaning Spring Street..	2,152 02	104 45	2,256 47
Cleaning Broadway.	1,915 34	95 12	2,010 46
Cleaning Long Wharf. ..	802 46	34 46	836 92
5.2 Collection and disposal of city refuse.	6,572 94	5 30	5,578 24
5.3 Sewers and Sewage Disposal.			
Cleaning main sewers....	1,546 13	146 19	1,692 32
Sewer repairs.	491 36	64 32	555 68
Clean and repair settling tank.	407 09	80 06	487 15
Cleaning catch basins and eyes.	2,765 66	866 82	3,632 48
Repair catch basins and eyes.	150 49	37 93	188 42
Construction.			
Inspecting sewer connections.	16 69	.....	16 69
Emergency Sewers.			
Bay Side Avenue.....	60 89	25 32	86 21
Harrison Avenue Extend.	316 94	50 53	367 47
Russo Place.	100 77	37 71	138 48
Peckham Avenue, Extend	17 94	6 54	24 48
Water Works Road culvert.	7 00	49 50	56 50
Bailey's Beach culvert...	89 50	74 34	163 84
Special Sewers:			
Bedlow avenue	448 46	116 44	564 90
County street	490 10	82 50	572 60
Kilburn court	168 19	56 03	224 22

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New catch basins:			
Second st. at Cypress st..	69 45	30 36	99 81
West Pelham street	23 52	14 11	37 63
New eyeholes:			
Bailey's Beach	39 03	17 34	56 37
Congdon av. at Van Zandt avenue	37 60	8 89	46 49
Edgar court	25 41	6 51	31 92
Second Ward sewerage system			
Almy street sewer	296 96	91 43	388 39
Bliss road sewer	1,608 27	435 33	2,043 60
Brooks avenue sewer ...	112 43	42 8[illegible]	155 23
Caswell avenue sewer....	234 56	88 12	322 68
Champlin street sewer .	10[illegible] 66	31 66	140 32
Eustis ave. sewer (Taber south) ..	753 12	313 99	1,067 11
Eustis ave. sewer (Taber north)	249 26	122 49	371 75
[illegible]	[illegible]	1[illegible] 64	649 46
[illegible]	[illegible]	[illegible] 61	331 55
[illegible]	[illegible]	2[illegible]	[illegible] 68
[illegible]	[illegible]	[illegible]	167 43
[illegible]	[illegible]	[illegible]	653 [illegible]
[illegible]	[illegible]	[illegible]	4[illegible] 45
[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]
[illegible]		[illegible]	[illegible]
[illegible]		[illegible]	[illegible]
[illegible]		[illegible]	[illegible]
[illegible]		[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]

Public Highways and Bridges:

6.0	Supervision	$2,663 20	$483 96	$3,147 16
6.2	Street repairs:			
	General repairs to streets	1,965 65	660 09	2,625 74
	General repairs to sidewalks	1,012 77	187 65	1,200 42
	Annandale road	489 95	101 96	591 91
	Bath road	467 98	98 20	566 18
	Bedlow avenue	48 36	10 33	58 69
	Bellevue avenue	796 35	228 66	1,025 01
	Broadway	837 75	189 86	1,027 61
	Farewell street	87 78	18 21	105 99
	Gibbs avenue	82 96	22 98	105 94
	Harrison avenue	198 07	37 78	235 85
	Jeffery road	19 86	4 61	24 47
	Ledge road	67 21	13 66	80 87
	Marlborough street	186 97	39 60	226 57
	Narragansett avenue	174 08	33 19	207 27
	Ocean avenue	364 87	85 94	450 81
	Ridge road	62 98	12 99	75 97
	Ruggles avenue	235 03	48 42	283 45
	Third street	230 21	49 08	279 29
	Thurston avenue	64 85	13 72	78 57
	Crushed stone on hand	520 90	117 97	638 87
	Re macadamized:			
	Kay st., R. I. av. to Bull st	1,090 22	215 41	1,305 63
	Rhode Island ave., Old Beach road south	269 94	55 39	325 33
	Touro st., Clark st., west	267 48	51 60	319 08
	Re-surfaced:			
	Annandale rd., East Bowery to Merton road	641 43	133 49	774 92
	Bellevue av., Pelham-Bath road	598 62	128 90	727 52
	Bowery st., King-Bellevue ave.	147 22	29 92	177 14
	Chapel st., DeBlois-Old Beach road	349 74	75 43	425 17
	Francis street	332 57	65 58	398 15
	Freebody st., Merton- E. Bowery street	596 69	124 96	721 65
	Kay st., Gibbs ave.-Powel avenue	223 42	45 91	269 33

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New catch basins:			
Second st. at Cypress st..	69 45	[illegible]	
West Pelham street	23 52		
New eyeholes:			
Bailey's Beach	39 03		
Congdon av. at Van Zandt avenue	37 6[illegible]		
Edgar court	25		
Second Ward sewerage system			
Almy street sewer			
Bliss road sewer			
Brooks avenue sewer ...			
Caswell avenue sewer ..			
Champlin street sewer			152 50
[illegible] ave. sewer [illegible]		[illegible]	704 47
[illegible]		[illegible]	555 42
[illegible]			124 50
[illegible]	[illegible]	[illegible]	47 25
[illegible]	[illegible]	[illegible]	14 [illegible]
[illegible]	[illegible]	[illegible]	52 [illegible]
[illegible]	[illegible]	[illegible]	[illegible]

Friendship st. at Sterne estate	2 62	1 98	4 60
Friendship street	76 88	9 57	86 45
Gibbs avenue	28 57	54	29 11
Halsey street	175 66	19 55	195 21
Hope street	195 01	15 37	210 38
Lee avenue	14 49	2 54	17 03
Mill street	359 42	22 41	381 83
Perry street	23 26	1 31	24 57
Pleasant street	157 88	22 85	180 73
Powel avenue	65 37	11 02	76 39
Prescott Hall road	311 94	65 60	377 54
Spring st., east side, Perry st. south	202 37	10 91	213 28
William street	15 75	.....	15 75
Carroll ave., corner curb,	43 25	12 26	55 51
Reset curb, etc., curb and cement on hand	.....	219 65	219 65
Gutters:			
Clinton ave., north side	59 25	.....	59 25
Thurston ave., north side	59 25	.....	59 25
Gidley st., flag and gutter	55 15	7 20	62 35
Gutters relaid	162 57	21 67	184 24
Crossings:			
W. Broadway at Gould st	52 62	28 26	80 88
Ruggles ave. at Bellevue ave.	41 96	21 92	63 88
Relay crossings	620 54	102 13	722 67
Relay driveways	44 08	10 00	54 08
Washington square paving at Fountain	43 71	63 81	107 52
Sea Wall repairs:			
Battery street	13 09	2 45	15 54
Wellington avenue	5 28	10 10	15 38
City Yard building repairs	35 76	106 04	141 80
New extra Crusher parts	.....	445 33	445 33
6.3-4-5 Construction:			
Land damages	16 40	.....	16 40
Bellevue av., Kay to Downing, telford macadam	2,307 74	484 92	2,792 66
Sea wall, Ocean ave.	1,662 20	331 97	1,994 17
Wellington av. wall (complete)	171 36	28 33	199 69

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Ashhurst place curb, etc, (unfinished)	.....	257 00	257 00
Byrnes st. curb, west side and macadamized	580 48	451 21	1,031 69
Coddington st. curb, south side	199 93	205 88	405 81
Coddington whf, curb and macadam	880 37	827 21	1,707 58
Edgar ct., curb east side, curb west side to Swinburne est. and macadamized	1,335 79	992 62	2,328 41
Freebody st., curb west side from Martin est. to a point opp. Weaver av.	360 50	518 78	879 28
Gibbs ave., between Water Works rd. & Friendship pl., macadam.....	1,417 80	1,079 09	2,496 89
McAllister st., curb north side, flagwalk on south side and macadamized.	1,042 59	181 73	1,224 32
Second st. between Sycamore and Cypress st., curb and macadamize..	705 12	841 96	1,547 08
Second st. between Van Zandt and Sycamore st., curb west side and macadamize	219 10	244 76	463 86
Sheffield av., macadamize	1,129 81	191 70	1,321 51
West Pelham st., curb south side	210 13	265 96	476 09
New st. between West Narragansett av. and Wellington av., macadamize	1,549 73	234 62	1,784 35
Wellington ave. widening, Telford macadamize ..	365 93	79 25	445 18
Granolithic sidewalks:			
Ayrault st. north side, from Kay st. to Francis st..'	287 00	188 73	475 73
Bath rd., south side from Cliff av. to Cliff Walk..	625 56	272 03	897 59
Broadway, east side, from City Hall north.....	202 05	80 12	282 17

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	Burnside ave., north side.	347 47	179 25	526 72
	Carroll av., west side from Thames st. to Harrison av. (5 ft. wide).....	456 91	209 36	666 27
	Clinton av., north side (4 ft. wide)	500 88	179 05	679 93
	Connection st., north side	785 80	425 83	1,211 63
	Dixon st., south side, from Spring to Thames st.	462 75	218 93	681 68
	East Bowery st., south side, from Middleton to Bellevue av. (5 ft. wide)	846 97	329 08	1,176 05
	Friendship st., north side, from Broadway to Bradford ave.	383 87	139 25	523 12
	Lincoln st., west side....	216 06	143 31	359 37
	Oak st., south side.....	97 16	58 07	155 23
	Old Beach rd., north side from Cottage st. to Greenough Place	279 39	147 92	427 31
	Perry street, north side, from Spring st. to Powel estate	195 02	92 66	287 68
	William st., north side ..	481 51	233 82	715 33
	Webster st., north side, between Thames and Spring st.	565 98	293 41	859 39
	Thurston av., north side..	180 62	76 94	257 56
	West Pelham st., south side	101 54	87 76	189 30
6.6	Snow removal	1,556 17	315 44	1,871 61
6.8	Street sprinkling:			
	Watering, repairs	901 98	449 55	1,351 53
	Watering, applying	7,659 17	282 16	7,941 33
	Dustoline, applying	192 90	2,644 63	2,837 53
	Dustoline on hand	.....	179 98	179 98
	Standard Oil, applying ..	.....	705 54	705 54
	Headley Emulsion Oil, applying	1 70	10 78	12 48
6.9	Bridge repairs:			
	Bedlow avenue	14 27	9 21	23 48
	Girard avenue	5 16	9 30	14 46
	Green Bridge, Ocean ave.	24 75	2 40	27 15

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Van Zandt avenue	1 38	160 98	162 36
	$55,775 61	$21,534 58	$77,310 19
Public Recreations:			
9 5 Easton's Beach, clean roadway, etc.	$391 30	$5 71	$397 01
Forty Steps, repairs.....	491 53	282 16	773 69
City Piers, etc., repairs, Van Zandt avenue.....	2 97	1 38	3 45
Battery Park, bath houses	.....	8 63	8 63
	$884 90	$297 94	$1,182 84
Public Recreations:			
Miscellaneous:			
9.7 City fountains, clean and repair	$104 33	$45 64	$149 97
Touro Park West, install fountain	50 85	21 12	71 97
Tree preservation	224 35	74 62	298 97
	$379 53	$141 38	$520 91
Public Docks and Wharves:			
10.7 City Wharf	$775 50	$104 77	$829 27
City Floats	4 12	26 80	30 92
	$779 62	$131 57	$851 19
Summary			
Public Weights and Measures ..	$13 26	$31 86	$45 12
Public Safety	83	10 07	10 90
Public Sanitation	54,705 49	10,008 76	64,714 25
Public Highways and Bridges ..	55,775 61	21,534 58	77,310 19
Public Recreations	884 90	297 94	1,182 84
Public Recreations, Misc.	379 53	141 38	520 91
Public Docks & Wharves	779 62	131 57	851 19
	$112,479 24	$32,156 16	$144,635 40

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DETAIL OF EXPENDITURES OF THE DEPARTMENT OF HIGHWAYS AND BRIDGES FOR THE MUNICIPAL YEAR OF 1911.

PUBLIC WEIGHTS AND MEASURES.

	March.		
1	City Sealer, testing scales		$1 00
	April.		
2	George H. Carr, scale books		2 50
	July.		
3	The Fairbanks Company, examining and estimating on wagon scales	$10 60	
4	George H. Carr, scale books	3 00	
			$13 60
	August.		
5	City Sealer, testing scales		$1 00
	September.		
6	The Fairbanks Company, butt lever for scales	$15 56	
7	Highways and Bridges, express	60	
8	City Sealer, testing scales	1 50	
	Pay Rolls	1 38	
			$19 04
	October.		
	Pay Rolls		$1 38
	November.		
9	Simon Hart, scale books	$2 50	
10	Highways and Bridges, express	60	
			$3 10
	December.		
11	Simon Hart, scale books	$2 50	
12	City Sealer, testing scales	1 00	$3 50
			$45 12

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PUBLIC SAFETY.

July.

1	W. M. Harris & Company, rough hard pine	$8 96
2	Highways and Bridges, freight	[illegible]
	Pay Roll	63
		$[illegible] 31

PUBLIC SANITATION.

January.

1	S. W. Coggeshall, scoop shovels	$4 20
2	James J. Dugan, refuse disposal, contract	415 65
3	S. W. Coggeshall, [illegible]	1 [illegible]
4	George A. Weaver Company, [illegible]	1 15
5	James S. Kanouse, rubber boots, [illegible]	[illegible]
6	[illegible] S. Reed, rubber boots	[illegible]
7	Wm. B. Scott & Company, [illegible]	[illegible]
8	J. Stacy Brown, edge stone	66
9	J. A. Sullivan, [illegible]	[illegible]
10	James F. [illegible]	[illegible]
11	Alexander J. [illegible]	[illegible]
12	J. A. Sullivan, [illegible]	[illegible]
	Pay Rolls	[illegible]
		$[illegible]

February.

[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	415 65
[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]
		$[illegible]

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March.

26	Spaulding Pr'nt Paper Company, Vandyke prints..	$4 55
27	Harry L. DeBlois, street hose.....	18 00
28	Charles S. Goddard, repair braces.....	1 00
29	Wm. K. Covell, repair watering pot.....	87
30	James J. Dugan, refuse disposal, contract	405 65
31	J. K. Sullivan, towing scow.....	55 00
32	Pinniger & Manchester, use barge.....	50 00
33	James S. Ramlose, rubber boots, etc.	13 90
34	Robert S. Gash, rubber boots	12 00
35	T. Mumford Seabury, rubber boots.....	10 00
36	James P. Taylor, oil suits.....	12 00
37	Perry Coal Company, fuel.....	8 07
38	J. M. K. Southwick, oakum.....	70
39	Newport Foundry & Machine Corp., gaskets.....	60
40	A. & H. G. Hammett, lumber, etc.	19 38
41	Charles S. Goddard, repairing sewer gates.....	2 00
42	A. & H. G. Hammett, spruce.....	3 84
43	J. K. Sullivan, gravel.....	97
44	Charles S. Goddard, sharpening picks.....	90
	Pay Rolls.	1,892 72
		$6,014 01

April.

45	Ward Printing Company, printing.....	$7 50
46	George A. Weaver Company, pails, etc.	2 25
47	Wm. B. Scott & Company, brooms, etc.	47 00
48	James J. Dugan, refuse disposal, contract.....	405 65
49	S. W. Coggeshall, steel rakes.....	60
50	J. K. Sullivan, gravel.....	39
51	John M. Friend, brick.....	5 00
52	Charles S. Goddard, tool repairs.....	40
53	John M. Friend, brick.....	5 00
54	J. K. Sullivan, gravel.....	63
55	Charles S. Goddard, tool repairs.....	1 65
56	John M. Friend, brick, etc.	5 66
57	J. K. Sullivan, gravel.....	1 04
58	Charles S. Goddard, tool repairs.....	1 20
59	Darl'ng & Slade, brick.....	2 50
60	J. K. Sullivan, gravel.....	38
61	A. & H. G. Hammett, spruce.....	99
62	Charles S. Goddard, tool repairs.....	70
63	J. K. Sullivan, gravel.....	59

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104	Perrin, Seamans & Company, lanterns and globes.	20 25
105	N. Y., N. H. & H. R. R. Co., freight	34
	Pay Rolls	3,877 61
		$10,401 34

May.

106	Newport Paper & Grocery Company, oatmeal	$4 00
107	Wm. R. Scott & Company, tools, etc.	5 55
108	James J. Dugan, refuse disposal, contract	405 65
109	M. F. Shea, oak block	75
110	John M. Friend, brick	13 50
111	J. F. O'Connell, rope	28
112	A. & H. G. Hammett, lumber	4 98
113	Charles S. Goddard, tool repairs	10 25
114	George A. Weaver Company, shovels	5 65
115	[illegible]	2 21
	Pay Rolls	[illegible] 18
		[illegible] 34

June.

[illegible]	[illegible] office supplies	[illegible] 96
	[illegible]	[illegible] 50
[illegible]	[illegible] & Company, [illegible]	[illegible] 25
[illegible]	[illegible] & Company, [illegible]	[illegible] 35
[illegible]	[illegible] refuse disposal, contract	[illegible] 65
[illegible]	[illegible] rubber boots	[illegible] 75
[illegible]	[illegible]	[illegible] 00
[illegible]	[illegible]	[illegible] 10
[illegible]	[illegible]	[illegible] 55
[illegible]	[illegible]	[illegible] 18
[illegible]	[illegible]	[illegible] 45
[illegible]	[illegible]	[illegible] 14
[illegible]	[illegible]	[illegible] 44
	[illegible]	[illegible] 28
		[illegible] 23

[illegible]

[illegible]	[illegible]	[illegible] 7
	[illegible]	[illegible] 30
	[illegible]	[illegible] 30
[illegible]	[illegible]	[illegible] 00
[illegible]	[illegible]	[illegible] 25

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94	New England Navigation Company, freight.....	81
95	George A. Weaver Company, rake, etc.	1 35
96	Wm. K. Covell, watering pot.....	1 50
97	James J. Dugan, refuse disposal, contract.....	405 65
98	P. F. McDonald, sanitary cart.....	298 00
99	N. Y., N. H. & H. R. R. Co., freight.....	19 98
100	P. F. McDonald, tank.....	110 00
101	T. Mumford Seabury Company, rubber boots.....	5 00
102	George A. Weaver Company, pails.....	1 50
103	A. & H. G. Hammett, brick.....	5 00
104	Alexander J. Fludder, iron grate and frame.....	5 00
105	John M. Friend, pipe.....	1 00
106	Charles S. Goddard, tool repairs	3 00
107	J. K. Sullivan, gravel.....	2 92
108	John M. Friend, brick.....	13 50
109	George A. Weaver Co., wheelbarrows, etc.....	15 50
110	George G. Popple, rubber boots.....	27 00
	Fay Rolls.	5,073 97
		$28,126 53

August.

111	Newport Paper & Grocery Company, oatmeal.....	$4 25
112	George A. Weaver Company, brass tags.....	50
113	S. W. Coggeshall, scoop shovel.....	1 50
114	George A. Weaver Company, scoop shovel.....	1 75
115	James J. Dugan, refuse disposal, contract.....	405 65
116	Boston Woven Hose & Rubber Co., hose, etc.	31 00
117	N. Y., N. H. & H. R. R. Co., freight.....	25
118	Boston & Lockport Block Company, diaphragms..	12 00
119	Highways and Bridges, express.....	40
120	N. Y., N. H. & H. R. R. Co., freight.....	1 40
121	Charles S. Goddard, neck yoke and irons.....	3 50
122	M. F. Shea, tires, etc.	8 75
123	Wm. B. Scott & Company, pail.....	85
124	A. & H. G. Hammett, brick	5 00
125	John M. Friend, pipe.....	49 50
126	Perry Coal Company, fuel.....	38 68
127	George A. Weaver Company, wheelbarrows, etc. ..	20 90
128	John M. Friend, brick, etc.	254 35
129	John Gillies, damproofing sewerage tank.....	240 02
130	Charles S. Goddard, tool repairs, etc.	4 60
131	Fuller Iron Works, manhole covers and rims.....	54 00
132	Highways and Bridges, freight.....	2 51

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133	A. & H. G. Hammett, lumber	11	33
134	S. W. Coggeshall, shovels, etc.	20	80
135	T. B. Connolly, heavy iron pipe	361	36
136	J. T. O'Connell, oakum		64
137	J. K. Sullivan, gravel	53	02
138	J. Stacy Brown, stone	3	35
139	N. Y., N. H. & H. R. R. Co., freight	5	21
	Pay Rolls	6,711	92
		$36,435	52

September.

140	George H. Carr, profile paper	$1	40
141	Wm. R. Scott & Company, brooms, etc.	44	50
142	James J. Dugan, refuse disposal, contract	405	65
143	Boston & Lockport Block Company, diaphragms	12	00
144	Highways and Bridges, express		40
145	J. D. Johnston, oak and milling		80
146	J. K. Sullivan, gravel		33
147	J. Stacy Brown, ledge stone		07
148	James P. Taylor, oil hat		50
149	George A. Weaver Company, pails, etc.	6	80
150	J. K. Sullivan, gravel		12
151	John M. Friend, brick	1	80
152	J. K. Sullivan, gravel	1	13
153	John M. Friend, brick, etc.	9	50
154	Charles S. Goddard, tool repairs	1	13
155	John M. Friend, brick	1	80
156	J. K. Sullivan, gravel		60
157	Worcester Steel & Iron Company, iron beams	145	15
158	John G. [illegible], diamondoing [illegible]	113	80
159	A. & H. G. Hammett, lumber	95	98
160	Wm. R. Scott & Company, brooms, etc.	13	25
161	S. W. Coggeshall, nails	3	00
162	J. D. Johnston, lumber, etc.	30	69
163	Wm. Dwyer, [illegible]	1	75
164	George A. Weaver Company, pails, etc.		50
165	W. F. Shaw, bolts	1	00
166	C. E. Chandler, [illegible]		25
167	Boston Gas Company, gas	15	60
168	John W. Brown, brick, etc.	142	20
169	J. K. Sullivan, gravel	26	16
170	John W. Brown, brick	6	30
171	J. Stacy Brown, stone		73

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172	Charles S. Goddard, tool repairs	2 60
	Pay Rolls	5,870 81
		$43,353 82

October.

173	Lynch Brothers, repairing valve, etc.	2 20
174	Harry L. DeBlois, street hoes	12 00
175	S. W. Coggeshall, rakes, etc.	2 50
176	James J. Dugan, refuse disposal, contract	405 65
177	James S. Ramlose, rubber boots and reps.	20 50
178	George A. Weaver Company, brooms	1 50
179	J. T. O'Connell, manila rope	1 32
180	Perry Coal Company, fuel	20 80
181	J. K. Sullivan, gravel	5 15
182	Ralph R. Barker, paint, etc.	3 17
183	Wm. F. Gratrix, sponge	1 00
184	Kerr & Beeson, labor carpenter	67 20
185	Charles S. Goddard, making chisels	2 00
186	John M. Friend, pipe and brick	142 68
187	J. D. Johnston, lumber, etc.	15 98
188	George A. Weaver Company, hinges, etc.	14 88
189	Barker Building & Realty Company, privet	93 30
190	S. W. Coggeshall, shovels	13 75
	Pay Rolls	5,529 44
		$49,708 84

November.

191	The T. T. Pitman Corp., advertising	$6 75
192	Herald Publishing Company, advertising	6 75
193	Quigley Taxi Company, auto service	6 00
194	Simon Hart, rubber stamp	90
195	Wm. B. Scott & Company, brooms	42 00
196	H. L. Marsh & Company, bag	25
197	Charles S. Goddard, tool repairs	60
198	Wm. K. Covell, watering pot	1 00
199	James J. Dugan, refuse disposal, contract	405 65
200	Wm. B. Scott & Company, fork	1 00
201	John M. Friend, sewer pipe	50
202	John M. Friend, pipe	1 20
203	A. & H. G. Hammett, brick	3 00
204	John M. Friend, pipe	4 30
205	J. K. Sullivan, gravel	15

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206	Scannevin & Potter, contract, electric pumps, etc.	2,290 56
207	Wm. B. Scott & Company, wrenches, etc.	6 90
208	Kerr & Beeson, lumber, etc.	113 62
209	M. F. Shea, iron frames, bolts, etc.	65 30
210	American Diamond Blast Co., hydrolithic cement.	20 70
211	Perry Coal Company, fuel	22 88
212	S. W. Coggeshall, netting and tacks	39
213	J. K. Sullivan, gravel	15
214	General Fire Extinguisher Co., check valve	15 00
215	George A. Weaver Company, lawn seed, etc.	2 85
216	Highways and Bridges, cement, freight, etc.	12 10
217	Newport Water Works, pipe, lead, etc.	68 98
218	The Bay State Street Railway Co., electricity	58 77
	Pay Rolls	3,674 30
		$56,541 39

December.

219	C. A. Manchester, oatmeal	$ 25
220	Wm. B. Scott & Company, brooms	42 00
221	S. W. Coggeshall, scoop shovel	1 50
222	Wm. K. Covell, repair watering pot	15
223	James J. Dugan, refuse disposal, contract	661 85
224	J. K. Sullivan, use of rig and lighter	40 00
225	T. Mumford Seabury Company, rubber boots	6 00
226	S. W. Coggeshall, wrench and oiler	60
227	Boston & Lockport Block Company, hose, etc.	42 00
228	Ralph R. Barker, paint, etc.	5 87
229	J. D. Johnston, lumber	6 65
230	Wm. B. Scott & Company, floor oil, etc.	2 26
231	Charles S. Goddard, tool repairs	1 00
232	Highways and Bridges, express	1 00
233	Newport Gas Light Company, iron pipe	13 25
234	Bay State Street Railway Company, electricity.	54 45
	Pay Rolls	1,554 11
	Half of Street Commissioner's salary (assumed).	750 00
		$59,324 33

PUBLIC HIGHWAYS AND BRIDGES.

January.

1	C. A. Hilcken, binding annual reports	$1 00
2	The Birmingham Pen Company, pens, etc.	2 65
3	William F. Clarke, ink	1 00

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4	Municipal Journal, subscription	3 00
5	George A. Weaver Company, hooks	20
6	Simon Hart, office supplies	5 20
7	George H. Carr, office supplies	2 55
8	Highways and Bridges, stamps	2 00
9	J. Stacy Brown, stone	9 05
10	J. K. Sullivan, gravel	03
11	J. K. Sullivan, gravel	12
12	Ralph R. Barker, glass, etc.	33
13	J. K. Sullivan, gravel	17 72
14	George A. Weaver Company, hack saws	65
15	Studebaker Bros. Company, of New York, rubber hose, etc.	63 70
16	Harold L. Bond Company, files, etc.	13 14
17	Philip F. Conroy, nipples, etc.	1 62
18	The Peckham Company, princess metallic	30
19	M. F. Shea, tires	18 00
20	Phineas C. Clark, cart repairs	49 85
21	Charles S. Goddard, cart repairs	27 65
22	Ralph R. Barker, brushes, etc.	12 72
23	Highways and Bridges, express	1 75
	Pay Rolls	918 99
		$1,153 22

February.

24	Providence Telephone Company, telephone service	$7 50
25	T. T. Pitman Corp., advertising	2 25
26	Herald Publishing Company, advertising	2 50
27	Kee Lox Manufacturing Co., manuscript covers	1 00
28	Ward Printing Company, printing	8 00
29	John Gladding, Jr., printing	6 75
30	Simon Hart, office supplies	6 25
31	S. T. H. Allman, pencils	1 00
32	A. & H. G. Hammett, lumber, etc.	4 07
33	Ralph R. Barker, glass	20
34	J. K. Sullivan, gravel	15 94
35	Charles S. Goddard, tool repairs	1 20
36	Studebaker Bros. Co. of New York, gears	8 96
37	Highways and Bridges, express	1 35
38	George A. Weaver Company, wrench, etc.	53
39	Ralph R. Barker, paint	5 55
40	Wright Brothers, paint, etc.	8 05
41	J. D. Johnston, lumber and milling	4 65

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42	M. F. Shea, tires, etc.	26 00
43	Charles S. Goddard, cart repairs	4 60
	Pay Rolls	1,483 95
		$2,753 53

March.

44	J. B. Parsonage & Son, commissioner's bond	$12 50
45	John M. Taylor, City Treasurer, stamped envelopes	10 92
46	Ward Printing Company, printing	6 50
47	The Milne Printery Company, printing	5 00
48	Herald Publishing Company, advertising	2 50
49	T. T. Pitman Corp., advertising	2 50
50	George H. Carr, office supplies	3 25
51	George H. Chase, ink	50
52	H. D. Sullivan, envelope sealer	2 00
53	J. Stacy Brown, stone	7 22
54	S. W. Coggeshall, shovels	27 25
55	Wm. B. Scott & Company, shovels	13 50
56	A. & H. G. Hammett, nails	2 50
57	George A. Weaver Company, padlock and key	25
58	Edgar Allan American Mag. Steel Co., crusher parts	167 00
59	Allis-Chalmers Company, crusher parts	93 55
60	N. Y., N. H. & H. R. R. Co., freights	8 48
61	Highways and Bridges, express	1 30
62	J. K. Sullivan, gravel	17 76
62	J. K. Sullivan, gravel	17 76
63	Perry Coal Company, fuel	13 70
64	Phineas C. Clark, cart repairs	7 85
65	Charles S. Goddard, cart repairs	1 00
66	Studebaker Bros. Co. of New York, springs	4 80
67	F. E. Fitts Manufacturing & Supply Co., packing	12 63
68	George A. Weaver Company, hammer handle	10
69	Wm. B. Scott & Company, gasoline	20
70	Highways and Bridges, express	80
	Pay Rolls	408 62
		$3,587 77

April.

71	George H. Carr, office supplies	$2 21
72	Samuel T. H. Ailman, office supplies	7 15
73	L. C. Smith & Bros. Typewriter Co., carbon	3 00

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74	Highways and Bridges, postage	2 00
75	D. J. Sullivan, tool repairs	1 00
76	John H. Sullivan, cartage crushed stone	110 27
77	J. Stacy Brown, stone	23 98
78	J. K. Sullivan, gravel	68 62
79	J. T. O'Connell, twine	35
80	S. W. Coggeshall, saw, etc.	2 52
81	Wm. B. Scott & Company, padlocks, etc.	2 00
82	The Peckham Company, shovels	10 75
83	Charles S. Goddard, tool repairs	50
84	George A. Weaver, tools, etc.	12 01
85	George A. Weaver Company, sand paper	45
86	Wm. B. Scott & Company, floor nails	40
87	A. & H. G. Hammett, lumber	9 00
88	A. & H. G. Hammett, lumber	96
89	John H. Sullivan, cartage crushed stone	255 86
90	J. Stacy Brown, stone	65 41
91	Charles S. Goddard, tool repairs	1 95
92	Charles S. Goddard, tool repairs	1 25
93	James H. Hart, water spout	3 00
	Pay Rolls	1,994 61
		$6,167 02

May.

94	Ward Printing Company, printing	$3 50
95	Wm. P. Clarke, envelopes	1 25
96	Simon Hart, office supplies	3 30
97	Providence Telephone Co., service and toll call	7 70
98	Herald Publishing Company, advertising	2 00
99	T. T. Pitman Corp., advertising	2 00
100	J. Stacy Brown, stone	109 51
101	John H. Sullivan, cartage crushed stone	731 14
102	Perry Coal Company, fuel	9 75
103	J. P. Cotton, granite culls	33 82
104	J. K. Sullivan, gravel	86 43
105	Wm. B. Scott & Company, brooms, etc.	2 00
106	A. & H. G. Hammett, shovels, etc.	12 28
107	George A. Weaver Company, pails, etc.	4 62
108	M. F. Shea, tool repairs	1 70
109	Jacob Mohr, tool repairs	2 88
110	Charles S. Goddard, tool repairs	1 85
111	N. Y., N. H. & H. R. R. Co., freight	13 20
112	A. & H. G. Hammett, lumber	3 21

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113	Edgar Allen, American Mang. Steel Co., crusher parts	175 00
114	J. Stacy Brown, crushed stone	36
115	J. K. Sullivan, gravel	1 17
116	J. Stacy Brown, stone	41 61
117	John H. Sullivan, cartage crushed stone	158 12
118	Charles S. Goddard, tool repairs	90
119	J. Stacy Brown, stone	46
120	A. & H. G. Hammett, lumber	99
121	J. K. Sullivan, gravel	3 61
122	The Peckham Company, shovels, etc.	12 25
123	J. D. Johnston, straight edges	1 70
124	George A. Weaver Company, wheelbarrows, etc.	51 00
125	Wm. B. Scott & Company, hose	24 00
126	Charles S. Goddard, iron lantern pins	12 00
127	S. W. Coggeshall, hose	22 00
128	Harold L. Bond Company, indentation rollers	11 20
129	Highways and Bridges, express	30
130	J. T. O'Donnell, cotton twine	44
131	D. J. Sullivan, tool repairs	1 85
132	Daniel J. Sullivan, tool repairs	80
133	John S. Lamson, Jr., dynamite	945 62
134	N. Y., N. H. & H. R. R. Co., freight	1 00
135	Perry Coal Company, coal	9 29
136	T. Mumford Seabury Co., rubber boots	6 00
137	Oliver R. Freeman, leather hose	1 50
138	A. & H. G. Hammett, lumber	3 58
139	Philip F. Chaney, repairs watering station	18 22
140	Lynch Brothers, repairs watering station	2 50
141	M. F. Shea, repairs watering station	3 00
142	Walworth Manufacturing Co., repairs watering station	2 26
143	Vaughn Brothers, paint, etc.	15 25
144	Parker Brothers & Co., pipe	5 70
145	Charles J. Panton, repairs watering station	75 00
146	A. & H. G. Hammett, posts	2 40
	Pay Roll	5,335 90
		$34,136 14

Water

147	Wood Printing Company, printing	83 00
148	Providence Press, printing	3 50
149	New York Manufacturing Co., [illegible]	4 50

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150	Barker Brothers & Co., gas tubes	2 17
151	Vacuum House Cleaning Co., cleaning rugs	75
152	J. Stacy Brown, stone	121 89
153	John H. Sullivan, cartage crushed stone	806 88
154	J. K. Sullivan, gravel	11 17
155	M. F. Shea, tool repairs	1 50
156	Charles S. Goddard, tool repairs	2 30
157	Perry Coal Company, fuel	4 87
158	George A. Weaver Company, iron bars, etc	5 37
159	A. & H. G. Hammett, shovels, etc.	5 16
160	Ralph R. Barker, lampblack	14
161	Wm. B. Scott & Company, tools	4 66
162	S. W. Coggeshall, shovels	13 75
163	Charles S. Goddard, tool repairs	1 48
164	J. K. Sullivan, gravel	4 37
165	Charles S. Goddard, tool repairs	4 18
166	J. K. Sullivan, gravel	46 72
167	Charles S. Goddard, tool repairs	30
168	J. Stacy Brown, stone	1 02
169	J. K. Sullivan, gravel	66 74
170	J. Stacy Brown, stone	45
171	J. K. Sullivan, gravel	31 07
172	Joseph P. Cotton, stone dust	9 32
173	John F. Sullivan, stone dust	40 44
174	J. K. Sullivan, gravel	97 27
175	D. J. Sullivan & Co., weighing gravel	4 50
176	Newport Gas Light Co., cinders	144 00
177	N. Y., N. H. & H. R. R. Co., cinders	30 50
178	J. Stacy Brown, stone	8 50
179	Charles S. Goddard, tool repairs	30
180	A. & H. G. Hammett, lumber and cartage	22 59
181	J. D. Johnston, lumber and milling	2 65
182	Ralph R. Barker, lampblack	22 68
183	George A. Weaver Co., canvas covers, etc	20 50
184	Norcross Brothers Co., lumber	30 57
185	The Peckham Company, grub hoe and handle	80
186	Perry Coal Company, fuel	18 57
187	Charles S. Goddard, whiffletree and staple	2 00
188	The Dustoline for Roads Co., dustoline	923 13
189	Wm. H. King, repair pump	75
190	Jas. H. Hart, pipe, etc.	7 00
	Pay Rolls	5,251 23
		$21,921 38

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July.

191	Simon Hart, office supplies	$14 65
192	S. T. H. Ailman, office supplies	1 70
193	Newport Paper & Grocery Co., oatmeal	4 00
194	George H. Carr, paste	35
195	Sampson & Murdock Co., directory	2 00
196	Remington Ward, printing	4 50
197	Highways and Bridges, postage	2 00
198	J. Stacy Brown, stone	88 81
199	John H. Sullivan, cartage crushed stone	541 65
200	J. K. Sullivan, gravel	4 70
201	Charles S. Goddard, tool repairs	2 70
202	Perry Coal Company, fuel	12 18
203	Wm. R. Scott & Co., tape, etc.	3 25
204	Downing Brothers, carron oil	50
205	Barrett Manufacturing Co., tarvia	92 70
206	N. Y., N. H. & H. R. R. Co., freight	12 30
207	Charles S. Goddard, tool repairs	1 10
208	J. K. Sullivan, gravel	2 00
209	Charles S. Goddard, tool repairs	50
210	J. K. Sullivan, gravel	73 88
211	Daniel J. Sullivan, tool repairs	1 05
212	J. K. Sullivan, gravel	83 00
213	D. J. Sullivan & Co., weighing gravel	40
214	Charles S. Goddard, tool repairs	1 00
215	J. K. Sullivan, gravel	21 10
216	J. Stacy Brown, stone	9 92
217	J. K. Sullivan, gravel	103 78
218	D. J. Sullivan & Co., weighing gravel	2 30
219	Daniel J. Sullivan, tool repairs	3 50
220	Charles S. Goddard, tool repairs	1 35
221	D. J. Sullivan, tool repairs	3 25
222	J. P. Cotton, stone dust	33 56
223	John F. Sullivan, stone dust	36 95
224	N. Y., N. H. & H. R. R. Co., cinders	222 50
225	J. K. Sullivan, old canvas	59 00
226	Person, Seamans & Co., red lanterns	15 00
227	N. Y., N. H. & H. R. R. Co., freight	25
228	A. & H. G. Hammett, dressing	1 73
229	Ralph R. Barker, knapsack	15 40
230	Wm. R. Scott & Company, nails	2 50
231	George A. Walker Co., hose menders, etc.	1 83
232	J. M. K. Southwick, twine	94

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233	S. W. Coggeshall, netting	40
234	Perry Coal Company, fuel	32 27
235	Henry H. Lawton, hose	1 75
236	Charles S. Goddard, shafts and reps.	6 50
237	S. B. Gladding, motor cycle reps.	8 95
238	J. R. Chase, motor cycle reps.	15 20
239	Lynch Brothers, rep. injector	4 65
240	The Dustoline for Roads Co., dustoline	481 33
241	N. Y., N. H. & H. R. R. Co., demurrage	2 00
242	A. & H. G. Hammett, lumber and spikes	6 40
243	Wm. B. Scott & Co., spikes	10
	Pay Rolls	5,215 59
		$29,182 49

August.

244	Mercury Publishing Co., printing and binding Annual Report	$154 00
245	Newport Paper & Grocery Co., oatmeal	4 00
246	Wm. P. Clarke, ink	1 00
247	George H. Carr, office supplies	1 91
248	Ward Printing Company, printing	6 50
249	Perry Coal Company, fuel	9 75
250	John M. Friend, brick	6 30
251	A. & H. G. Hammett, brick	5 00
252	Charles S. Goddard, tool repairs	30
253	Barrett Manufacturing Co., tarvia	91 26
254	N. Y., N. H. & H. R. R. Co., freight	6 60
255	J. K. Sullivan, gravel	10 97
256	D. J. Sullivan & Co., weighing gravel	20
257	Charles S. Goddard, tool repairs	70
258	J. Stacy Brown, stone	128 18
259	John H. Sullivan, cartage crushed stone	764 31
260	S. W. Coggeshall, screws and nails	3 52
261	A. & H. G. Hammett, lumber and screws	5 06
262	J. K. Sullivan, gravel	161 11
263	J. Stacy Brown, stone	50
264	Daniel J. Sullivan, tool repairs	3 60
265	Shepley Construction Co., stone	83 82
266	N. Y., N. H. & H. R. R. Co., freight	67 67
267	J. Stacy Brown, stone	71
268	John H. Sullivan, cartage crushed stone	5 20
269	Shepley Construction Co., stone	3 11
270	J. K. Sullivan, gravel	100 40

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271	D. J. Sullivan & Co., weighing gravel	1 40
272	J. Stacy Brown, stone	10 01
273	John F. Sullivan, stone dust	33 75
274	Joseph P. Cotton, stone dust	12 50
275	Newport Gas Light Co., cinders	111 00
276	N. Y., N. H. & H. R. R. Co., cinders	52 50
277	Daniel J. Sullivan, tool repairs	2 80
278	Charles S. Goddard, tool repairs	70
279	Ralph R. Barker, lampblack	7 00
280	J. T. O'Connell, rope	30
281	J. D. Johnston, straight edge, etc.	1 75
282	George A. Weaver Co., rakes, etc.	3 70
283	M. F. Shea, cement cutter	1 50
284	Standard Oil Co. of New York, treating roadbed	705 54
285	Perry Coal Company, fuel	9 29
286	J. R. Chase, motor cycle repairs	7 10
287	M. F. Shea, watering cart repairs	21 75
288	Charles S. Goddard, rep. top circle and bolts	1 50
289	Congdon & Carpenter Co., seat springs	5 10
290	Highways and Bridges, freight	20
291	N. Y., N. H. & H. R. R. Co., freight	10 00
292	S. W. Coggeshall, nails	88
293	A. & H. G. Hammett, lumber and spikes	9 17
294	George A. Weaver Co., spikes	1 00
	Pay Rolls	6,539 84
		$38,358 45

September.

295	George H. Carr, office supplies	$3 38
296	Samuel T. H. Allman, office supplies	1 50
297	Highways and Bridges, postage	6 00
298	Perry Coal Company, fuel	7 31
299	Charles S. Goddard, tool repairs	70
300	John F. Sullivan, stone	10 13
301	Shepley Construction Co., stone	8 66
302	J. Stacy Brown, stone	62 02
303	John H. Sullivan, cartage stone	299 53
304	Shepley Construction Co., stone	84 59
305	N. Y., N. H. & H. R. R. Co., freight and demurrage	30 39
306	N. Y., N. H. & H. R. R. Co., freight	23 53
307	Robert Wolfenden, freight	11 28
308	J. K. Sullivan, gravel	10 14
309	Jacob Mohr, tool repairs	2 95

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310	J. Stacy Brown, stone	16 78
311	John H. Sullivan, sartage stone	111 30
312	Daniel J. Sullivan, tool repairs	2 00
313	Shepley Construction Co., crushed stone	35 90
314	N. Y., N. H. & H. R. R. Co., freight	25 23
315	J. K. Sullivan, gravel	135 49
316	D. J. Sullivan & Co., weighing gravel	9 90
317	J. Stacy Brown, stone	1 46
318	D. J. Sullivan, tool repairs	9 85
319	Charles S. Goddard, tool repairs	40
320	J. Stacy Brown, stone	8 11
321	John H. Sullivan, cartage crushed stone	59 78
322	J. Stacy Brown, stone	3 37
323	J. K. Sullivan, gravel	36 08
324	D. J. Sullivan & Co., weighing gravel	1 90
325	Joseph P. Cotton, stone dust	12 50
326	J. Stacy Brown, stone	3 31
327	A. & H. G. Hammett, strips	29
328	D. J. Sullivan, tool repairs	40
329	Jacob Mohr, tool repairs	65
330	Norcross Brothers, lumber	4 81
331	Wm. B. Scott & Co., mortar hoe	65
332	Perry Coal Company, fuel	6 85
333	S. B. Gladding, gasoline	9 98
334	Newport Foundry & Machine Corp., machinist labor, etc.	4 43
335	M. F. Shea, watering cart repairs	1 00
336	T. B. Dawley Co., contract, paint VanZandt bridge.	160 00
	Pay Rolls	3,631 12
		$43,214 10

October.

337	S. T. H. Allman, envelopes	$5 50
338	Remington Ward, print'ng	5 00
339	George H. Carr, office supplies	4 72
340	Perry Coal Company, fuel	2 44
341	J. Stacy Brown, stone	27 54
342	John H. Sullivan, cartage crushed stone	86 02
343	Barrett Manufacturing Co., tarvia	45 00
344	N. Y., N. H. & H. R. R. Co., freight	6 60
345	A. & H. G. Hammett, lumber	4 91
346	George A. Weaver Co., scoop shovel, etc.	5 90
347	Wm. B. Scott & Co., axe	1 50
348	S. W. Coggeshall, shovels	7 00

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349	D. E. Sullivan, file	35
350	J. K. Sullivan, gravel	16 97
351	Charles S. Goddard, tool repairs	1 00
352	J. D. Johnston, sash	1 50
353	A. & H. G. Hammett, lumber	2 94
354	Ralph R. Barker, glass	36
355	Jas. H. Donavon, tool repairs	2 00
356	J. K. Sullivan, gravel	7 34
357	D. J. Sullivan & Co., weighing gravel	50
358	D. J. Sullivan, tool repairs	1 25
359	J. Stacy Brown, stone	6 68
360	John H. Sullivan, cartage crushed stone	42 54
361	J. K. Sullivan, gravel	76 62
362	D. J. Sullivan & Co., weighing gravel	3 90
363	D. J. Sullivan, tool repairs	1 90
364	J. Stacy Brown, stone	9 20
365	John H. Sullivan, cartage crushed stone	57 74
366	J. K. Sullivan, gravel	197 77
367	D. J. Sullivan & Co., weighing gravel	8 50
368	D. J. Sullivan, tool repairs	5 35
369	Charles S. Goddard, tool repairs	10
370	J. Stacy Brown, stone	1 74
371	John H. Sullivan, cartage crushed stone	7 00
372	J. Stacy Brown, stone	36 04
373	John H. Sullivan, cartage crushed stone	265 58
374	J. Stacy Brown, stone	25 98
375	John H. Sullivan, cartage crushed stone	177 73
376	Perry Coal Company, fuel	5 20
377	J. Stacy Brown, stone	31 21
378	John H. Sullivan, cartage crushed stone	229 94
379	J. Stacy Brown, stone	16 07
380	Ralph R. Barker, lampblack	3 50
381	N. Y., N. H. & H. R. R. Co., cinders	1 50
382	Newport Gas Light Company, cinders	1 50
383	Perry Coal Co., fuel	13 70
384	The Dustoline for Roads Company, dustoline	431 99
385	James H. Hart, repairing pump	2 00
	Pay Rolls	3,734 98
		$48,346 40

November.

386	Providence Telephone Co., service and toll calls	$61 35
387	Rewington Ward, printing	12 00

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388	Simon Hart, rubber bands and tags	75
389	George H. Carr, blotters	50
390	Stanhope's Garage, taxi service	1 50
391	Highways and Bridges, postage	3 00
392	J. Stacy Brown, stone	9 39
393	John H. Sullivan, cartage crushed stone	23 42
394	Barrett Manufacturing Company, tarvia	44 28
395	John M. Friend, brick	3 60
396	J. K. Sullivan, gravel	16 84
397	D. J. Sullivan & Company, weighing gravel	60
398	Perry Coal Company, fuel	2 44
399	Walworth Manufacturing Co., die	52
400	S. W. Coggeshall, scoop shovel	1 35
401	Charles S. Goddard, tool repairs	38
402	J. Stacy Brown, stone	99
403	John H. Sullivan, cartage crushed stone	7 29
404	J. K. Sullivan, gravel	5 40
405	D. J. Sullivan & Company, weighing gravel	30
406	J. K. Sullivan, gravel	40 41
407	D. J. Sullivan & Company, weighing gravel	2 00
408	Jacob Mohr, tool repairs	4 25
409	D. J. Sullivan, tool repairs	2 45
410	J. Stacy Brown, stone	10 53
411	John H. Sullivan, cartage stone	68 07
412	J. K. Sullivan, use of steam roller	198 00
413	J. Stacy Brown, stone	22 78
414	John H. Sullivan, cartage stone	155 88
415	Perry Coal Company, fuel	15 44
416	J. K. Sullivan, gravel	5 46
417	D. J. Sullivan & Co., weighing gravel	40
418	J. Stacy Brown, stone	10 40
419	Wm. B. Scott & Co., pail	25
	Pay Rolls	1,889 11
		$51,467 73

December.

420	Remington Ward, printing	$30 00
421	Harry H. Johnson, typewriter ribbons, coupons	4 50
422	L. C. Smith & Bro. Typewriter Co., carbon	3 00
423	S. T. H. Allman, pencils	50
424	Providence Telephone Company, toll calls	1 05
425	J. Stacy Brown, stone	28
426	George A. Weaver Company, tape	3 50

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427	Wm. B. Scott & Company, hack saws	60
428	J. K. Sullivan, gravel	3 28
429	Thos. Lucas, repairs to stable roof, contract	75 00
430	C. E. Clarke, tool repairs	75
431	J. Stacy Brown, stone	23
432	J. K. Sullivan, gravel	5 10
433	D. J. Sullivan & Company, weighing gravel	10
434	J. Stacy Brown, stone	23 88
435	S. W. Coggeshall, brush	1 00
436	George Stanhope, salt	1 25
437	J. K. Sullivan, gravel	15
438	Ralph R. Barker, paint and brush	2 65
439	G. H. Burnham, rubber packing	1 23
440	Frank L. DeBlois, witness summons	13 20
	Pay Rolls	1,176 46
	Assumed, half Street Commissioner's salary	750 00
	Bill to Jeremiah A. Sullivan, costs advanced in case of City of Newport vs. M. P. Curran, et al.	3 20
		$53,563 64

PUBLIC RECREATIONS.

February.

1	C. E. Clark, tool repairs	$1 50
	Pay Rolls	2 29
		$3 79

March.

2	John H. Marks, rep. fountain, West Broadway	$18 20
		$21 99

April.

	Pay Rolls	$11 00
		$32 99

May.

3	Wright Brothers, bronzite	$5 00
4	George A. Weaver Company, emery	15
5	Wm. B. Scott & Co., mowing machines' gears	56
6	John H. Marks, rep. fountain, Broadway	5 85
	Pay Rolls	51 50
		$96 05

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June.

7	Arthur A. Sherman, arsenic of lead, etc.	$45 50
8	T. B. Connolly, rep. fountain, Market square	18 15
9	John H. Marks, rep. fountain, Broadway	33 60
	Pay Rolls	154 44
		$347 74

July.

10	Stephen L. Goddard, rep. fountain, Easton's Beach	$6 90
11	C. E. Clarke, tool repairs	1 50
12	Jas. H. Donavon, tool repairs	75
13	George A. Weaver Co., tree pruner, etc.	1 50
14	Arthur A. Sherman, arsenic of lead, etc.	20 63
	Pay Rolls	149 52
		$528 54

August.

15	A. & H. G. Hammett, lumber	$1 38
16	Hall & Clarke, rep. bath houses, Battery Park	8 69
17	Downing Brothers, sulphur	50
18	Charles S. Goddard, tool repairs	40
19	John M. Friend, pipe, etc.	14 48
20	J. K. Sullivan, gravel	36
	Pay Rolls	143 65
		$698 00

September.

21	Alexander Booth, setting fountain, Touro Park West	$18 80
	Pay Rolls	49 16
		$765 96

October.

22	J. P. Cotton, building stone	$45 00
23	J. Stacy Brown, crushed stone	1 01
24	The Peckham Company, linseed oil, etc.	7 75
25	Ralph R. Barker, lampblack	1 40
26	A. & H. G. Hammett, lumber	1 92
27	Joseph P. Cotton, stone dust	6 00
28	N. Y., N. H. & H. R. R. Co., cinders	3 50

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29	Newport Gas Light Company, cinders	9 00
30	J. K. Sullivan, gravel	26 35
31	D. J. Sullivan & Co., weighing gravel	1 30
32	J. D. Johnston, posts, etc.	13 65
33	Charles S. Goddard, tool repairs	10
34	Stephen L. Goddard, repairing fountain	4 03
	Pay Rolls	437 46
		$1,324 43

November.

35	M. F. Shea, iron and steel, etc.	$117 27
36	J. D. Johnston, posts	3 76
37	Highways and Bridges, express	70
	Pay Rolls	101 13
		$1,547 29

December.

38	Barker Brothers & Co., pipe, etc.	$3 07
39	Jas. Openshaw Co., repairing fountain	2 50
	Pay Rolls	1 38
		$1,554 24

DOCKS AND WHARVES.

January.

1	Heirs of George Bowen, fuel	$20 61
2	Newport Paper & Grocery Co., toilet	84
	Pay Rolls	81 00
		$102 45

February.

3	Perry Coal Co., fuel	$20 55
4	Wm. B. Scott & Co., broom	50
5	Providence Telephone Co., telephone service	7 50
	Pay Rolls	54 00
		$185 00

March.

6	Perry Coal Co., fuel	$6 85
7	Newport Paper & Grocery Co., toilet	84
8	Wm. K. Covell, hand basin	37

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9	George A. Weaver Co., soldering paste.....	20
10	George A. Weaver Co., lag screws.....	22
	Pay Rolls.....	54 00
		$247 48

April.

11	Perry Coal Co., fuel.....	$13 70
	Pay Rolls.....	54 00
		$315 18

May.

12	Providence Telephone Co., telephone service....	$7 50
13	George A. Weaver Co., broom, etc.....	95
	Pay Rolls.....	67 50
		$391 13

June.

14	Newport Paper & Grocery Co., toilet.....	$ 84
	Pay Rolls.....	54 00
		$445 97

July.

	Pay Rolls.....	$54 00
		$499 97

August.

15	Newport Paper & Grocery Co., toilet.....	$ 84
	Pay Rolls.....	67 50
		$568 31

September.

16	Wm. B. Scott & Co., broom.....	$ 45
	Pay Rolls.....	55 37
		$624 13

October.

17	Perry Coal Co., fuel.....	$6 85
18	Newport Paper & Grocery Co., toilet.....	84

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19	George A. Weaver Co., screws	88
	Pay Rolls	70 25
		$702 95

November.

20	Perry Coal Co., fuel	$6 85
21	Newport Ship Yard, piles, etc.	25 70
	Pay Rolls	54 00
		$789 50

December.

22	Perry Coal Co., fuel	$6 85
23	Newport Paper & Grocery Co., toilet	84
	Pay Rolls	54 00
		$851 19

NON-APPORTIONED.

January.

Stables:		
1	J. G. Stevens, forage	$358 70
2	S. W. Coggeshall, [illegible], etc.	2 40
3	Oliver K. Freeman, supplies	9 15
4	Wm. B. Sweet & Co., axle grease	2 00
5	Charles S. Stoddard, harness repairs	1 00
6	Peter F. Clark & Co., shoeing	5 75
7	Daniel Beach, shoeing	5 13
8	Daniel J. Sullivan, shoeing	5 63
9	Sherman & Sullivan, shoeing	4 50
10	F. W. Shea, shoeing	7 25
	Pay Rolls	186 14
Engines:		
11	Charles S. Stoddard, repairs	3 50
12	Irving & Smith, nails, etc.	3 90
13	George A. Weaver Co., [illegible], etc.	2 79
14	Smith & Chase, pipe fittings	1 87
15	[illegible] Supply Co., waste	27 75
16	[illegible] Co., freight	34
	Pay Rolls	326 75
		$[illegible] 06

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February.

Stable:		
17	H. L. Marsh & Co., forage	$116 15
18	S. W. Coggeshall, solarine	1 50
19	Charles S. Goddard, harness repairs	1 00
20	George A. Weaver Co., clippers	1 75
21	W. F. Gratrix, supplies	3 50
22	Shreenan & Sullivan, shoeing	4 50
23	Peter F. Clark & Co., shoeing	4 50
24	P. M. Shea, shoeing	5 50
25	Daniel J. Sullivan, shoeing	5 88
26	Daniel Beard, shoeing	5 13
	Pay Rolls	101 66
Rollers:		
27	Buffalo Steam Roller Co., repairs	52 25
28	Harold L. Bond Co., globe valves, etc.	7 50
29	Highways and bridges, freight	2 48
30	George A. Weaver Co., supplies	80
31	Newport Foundry & Machine Corp., pipe fittings, etc.	1 87
32	Ralph R. Barker, varnish and brushes	4 80
33	N. Y., N. H. & H. R. R. Co., freight	32
	Pay Rolls	218 75
Crusher:		
34	Providence Telephone Co., telephone service	7 00
35	Remington Ward, printing	11 00
Materials:		
36	W. L. Nordling, kerosene	3 75
		$1,416 05

March.

Stable:		
37	H. L. Marsh & Co., forage	$150 17
38	Dudley P. Bacheller, express wagon	50 00
39	Newport Gas Light Co., gas	2 53
40	Henry H. Lawton, supplies and harness repairs	11 45
41	Ralph R. Barker, paint	12 55
42	A. & H. G. Hammett, lumber	5 68
43	M. F. Shea, iron cart body, etc.	18 00
44	Charles S. Goddard, harness repairs	3 65
45	Max David, canvas	50
46	S. W. Coggeshall, scoop shovels, etc.	7 43
47	Peter F. Clark & Co., shoeing	4 50

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48	Daniel J. Sullivan, shoeing	5 63
49	Daniel Beard, shoeing	1 75
50	P. M. Shea, shoeing	4 75
51	Shreenan & Sullivan, shoeing	4 50
	Pay Rolls	203 57
Crusher:		
52	Perry Coal Co., fuel	9 75
53	A. & H. G. Hammett, lumber	12 08
54	Main Belting Co., belting and lace	163 90
55	Earle C. Bacon, elevator buckets	105 00
56	Farrell Foundry & Machine Co., bucket bolts	20 00
57	Newport Foundry & Machine Corp., repairs	53 90
58	Congdon & Carpenter Co., steel	42 29
59	Charles S. Goddard, tool repairs	1 00
60	George A. Weaver Co., supplies	3 75
61	S. W. Coggeshall, lantern globes	20
62	New England Navigation Co., freight	1 15
63	N. Y., N. H. & H. R. R. Co., freight	31
64	Highways and bridges, express	1 19
	Pay Rolls	398 37
Rollers:		
65	Perry Coal Co., fuel	7 64
66	Newport Foundry & Machine Corp., lubricating oil	20 80
67	Wright Brothers, bronzite	2 50
68	George A. Weaver Co., lamp wicking	30
69	Ralph R. Barker, varnish, etc.	3 45
70	Main Belting Co., belting	3 06
71	Buffalo Steam Roller Co., repairs	6 25
72	Walworth Manufacturing Co., packing	3 60
73	Charles S. Goddard, iron	75
74	Wm. K. Covell, oil can, etc.	2 95
75	Highways and bridges, express	2 75
	Pay Rolls	216 00
Materials:		
76	Darling & Slade, cement	190 50
		$3,675 15

Appr.

Stable:		
77	R. T. Marsh & Co., storage	$34 21
78	George S. Barbour, soap	4 25
79	Newport Foundry & Machine Corp., repairs	3 90

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80	George A. Weaver Co., screws	1 00
81	Downing Brothers, assaforetida	25
82	Charles S. Goddard, harness repairs	3 00
83	A. & H. G. Hammett, lumber	2 08
84	The Peckham Co., princess metallic	15
85	Wm. B. Scott & Co., grease	2 00
86	Henry Biessel & Son, supplies	17 80
87	Ralph R. Barker, paint	1 50
88	T. G. Owen, auto tires and valves	240 20
89	P. M. Shea, shoeing	3 25
90	Daniel J. Sullivan, shoeing	6 07
91	Peter F. Clark & Co., shoeing	4 50
92	Daniel Beard, shoeing	5 13
93	Shreenan & Sullivan, shoeing	4 50
	Pay Rolls	235 04
Crusher:		
94	Perry Coal Co., fuel	105 98
95	George A. Weaver Co., pails	80
96	Wm. B. Scott & Co., hammers	5 70
97	Highways and bridges, express	95
98	S. W. Coggeshall, supplies	4 76
99	Charles J. Beattie, repairs	27 01
100	J. M. K. Southwick, explosives	42 30
101	W. L. Nordling, kerosene	3 75
102	Newport Foundry & Machine Corp., repairs, etc.	28 65
103	George Stanhope, salt, etc.	55
104	Congdon & Carpenter Co., spelter	9 09
105	Walworth Manufacturing Co., glove valves	5 79
106	F. E. Fitts Mfg. & Supply Co., packing	9 90
107	Harold L. Bond Co., dolly and spreader	3 60
	Pay Rolls	1,103 78
Rollers:		
108	George A. Weaver Co., hose	12 50
109	Perry Coal Co., fuel	104 87
110	Wm. K. Covell, can, etc.	1 25
111	New England Navigation Co., repairs	4 00
112	Buffalo Steam Roller Co., repairs	53 80
	Pay Rolls	64 50
Materials:		
113	J. T. O'Connell, cotton waste	53 24
114	C. U. Hallock, kerosene	7 50
115	Fuller Iron Works, manhole covers and rims	54 00
116	Highways and bridges, freight	1 66

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117	John M. Friend, pipe	288 80
		$5,702 71

May.

Materials:

118	Schooner "Willis L. Maxwell," freight on curb	$641 20

Stable:

119	H. L. Marsh & Co., forage	200 58
120	The Texas Co., gasoline	15 16
121	George A. Weaver Co., salt	2 50
122	T. G. Owen, auto repairs	195 64
123	M. F. Shea, cart repairs	28 00
124	Wright Brothers, paint	6 75
125	J. T. O'Connell, rope, etc.	84
126	Daniel J. Sullivan, shoeing	8 13
127	Peter F. Clark & Co., shoeing	4 50
128	Shreeman & Sullivan, shoeing	4 50
129	F. M. Shea, shoeing	11 50
130	Daniel Beard, shoeing	5 13
131	Oliver R. Braman, supplies	10 75
	Pay Rolls	146 63

Crusher:

132	Providence Telephone Co., telephone service	7 00
133	Perry Coal Co., fuel	146 75
134	J. M. K. Sandwork, dynamite	40 00
135	Providence Oil Co., grease	7 20
136	Congdon & Carpenter Co., steel	18 32
137	Newport Foundry & Machine Corp., oils, etc.	25 14
138	A. & B. G. Hammett, lumber	6 94
139	The Peckham Co., oil car	85
140	Edgar Allen, American Wang Steel Co., shaft	95 00
141	N. Y., N. H. & H. R. R. Co., freight	11 51
142	M. F. Shea, repairs	7 50
143	Underwood Manufacturing Co., stop over rug	1 53
144	Barker Brothers & Co., pipe	8 50
145	F. E. Dias Wire & Supply Co., packing	18 24
146	Chalkers and Brothers, express	63
	Pay Rolls	1,538 62

Rollers:

147	Perry Coal Co., fuel	188 32
148	Charles S. Chadwick, supplies	3 00
149	Underwood Manufacturing Co., glass cutters, etc.	96
150	S. [illegible] Greenshield, [illegible]	40

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151	George A. Weaver Co., hose, etc.	12 60
152	Highways and bridges, express	20
Materials:		
153	John M. Friend, pipe	475 72
154	Darling & Slade, cement	224 40
155	W. L. Nordling, kerosene	7 50
156	C. U. Hallock, kerosene	3 75
		$9,851 12

June.

Stable:		
157	H. L. Marsh & Co., forage	$158 39
158	Newport Gas Light Co., gas	3 30
159	George A. Weaver Co., clipper plates	70
160	Wm. B. Scott & Co., grease, etc	2 25
161	W. F. Gratrix, supplies and harness repairs	10 35
162	M. F. Shea, bolt	75
163	Charles S. Goddard, cart repairs	2 50
164	The Texas Co., gasoline	12 16
165	B. Morgan, auto casing	29 25
166	J. R. Chase, motor cycle repairs	17 22
167	Daniel J. Sullivan, shoeing	5 25
168	Shreenan & Sullivan, shoeing	4 50
169	Daniel Beard, shoeing	10 26
170	Peter F. Clark & Co., shoeing	5 00
171	P. M. Shea, shoeing	8 13
	Pay Rolls	81 50
Crusher:		
172	Perry Coal Co., fuel	100 78
173	J. M. K. Southwick, dynamite	40 00
174	A. & H. G. Hammett, lumber	1 44
175	J. D. Johnston, lumber	2 10
176	Newport Foundry & Machine Corp., oils, etc.	20 17
177	Providence Oil Co., belt dressing	14 25
178	Waters Governor Company, gear and disk	2 70
179	S. W. Coggeshall, putty	20
180	Jas. H. Hart, funnel and pipe	1 50
	Pay Rolls	1,174 13
Rollers:		
181	Perry Coal Co., fuel	132 02
182	Highways and bridges, express	2 73
Materials:		
183	Hooper, Havey & Co., granite culls and curb	3,226 18

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184	Darling & Slade, cement	414 90
185	John M. Friend, pipe	273 52
186	W. L. Nordling, kerosene	3 75
187	C. U. Hallock, kerosene	7 50
188	Fuller Iron Works, manhole covers and rims	54 00
189	Highways and bridges, freight	2 11
190	Schooner "Charlie and Willie," freight on curb	262 54
		$14,939 15

July.

Stable:

191	H. L. Marsh & Co., forage	$132 25
192	James McBride, liniment	4 00
193	Downing Brothers, witch hazel	75
194	Wm. R. Scott & Co., pail	85
195	S. W. Coggeshall, solderine, etc.	1 60
196	R. Morgan, auto repairs, etc.	87 95
197	Dudley P. Rochester, repairs to buggy and wagon	4 00
198	A. & H. G. Hammett, lumber	78
199	Wm. K. Orrell, repair watering pail	25
200	Henry H. Lawton, supplies	5 30
201	P. M. Shea, shoeing	11 00
202	Shoeman & Sullivan, shoeing	4 50
203	Daniel J. Sullivan, shoeing	6 13
204	Peter F. Clark & Co., shoeing	4 50
205	Daniel Beard, shoeing	5 13
	Pay Rolls	79 04

Crusher

206	[illegible] Co., fuel	108 25
207	J. M. K. Shuttleworth, repairs	23 00
208	W. L. Nordling, kerosene	3 75
209	Danger & Wilson Co., hammer handles	2 50
210	Newport Chain & Cordage Co., manila	4 00
211	A. & H. G. Hammett, lumber	45
	Pay Rolls	1,172 65

Rollers

[illegible]	[illegible] Co., fuel	97 48
[illegible]	S. W. Coggeshall, [illegible]	1 00

Assessments

[illegible]	[illegible] & Company, [illegible]	1,199 92
[illegible]	John W. [illegible], [illegible]	413 82
[illegible]	Darling & Slade, [illegible]	462 52
[illegible]	Newport Gaslight & Machine Co., [illegible]	43 19

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218	W. L. Nordling, kerosene	3 75
219	C. U. Hallock, kerosene	3 75
		$18,327 21

August.

Stable:		
220	H. L. Marsh & Co., forage	$191 13
221	Dr. C. Horseman, vet. service	6 00
222	M. F. Shea, cart repairs	1 00
223	Charles S. Goddard, cart repairs	4 25
224	Dudley P. Bacheller, repair buggy	2 35
225	T. G. Owen, auto repairs	185 59
226	J. R. Chase, motor cycle repairs	8 40
227	Texas Oil Co., gasoline	22 34
228	Wm. B. Scott & Co., axle grease	2 00
229	Henry Biesel & Son, supplies	17 10
230	Shreenan & Sullivan, shoeing	4 50
231	Peter F. Clark & Co., shoeing	5 00
232	Daniel Beard, shoeing	5 13
233	Daniel J. Sullivan, shoeing	14 26
234	P. M. Shea, shoeing	12 50
	Pay Rolls	75 00
Crusher:		
235	Perry Coal Co., fuel	119 35
[illegible]	J. M. K. Southwick, explosives	33 00
237	Edgar Allen American Mang. Steel Co., concaves, etc.	85 00
238	N. Y., N. H. & H. R. R. Co., freight	1 06
239	Newport Foundry & Machine Corp., oils, etc.	25 30
240	Main Belting Co., belting	52 48
241	Highways and bridges, express	1 05
242	Providence Oil Co., belt dressing	17 10
243	A. & H. G. Hammett, nails	25
244	M. F. Shea, steel plates and borax	1 75
245	Lynch Brothers, repair governor	1 98
246	City Sealer, testing scales	1 00
	Pay Rolls	1,396 76
Rollers:		
247	Perry Coal Co., fuel	158 91
248	Newport Foundry & Machine Corp., auto oil	21 20
249	Buffalo Steam Roller Co., repairs	15 55
250	Highways and bridges, express	1 85
251	George A. Weaver Co., hose, etc.	12 70

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Materials:

252	Darling & Slade, cement	639 30
253	C. U. Hallock, kerosene	7 50
254	W. L. Nordling, kerosene	7 50
		$21,984 35

September.

Stable:

255	H. L. Marsh & Co., forage	$131 24
256	Newport Gas Light Co., gas	2 97
257	The Texas Company, gasoline	7 35
258	S. W. Coggeshall, solarine	1 50
259	O. R. Braman, supplies	23 50
260	Charles S. Goddard, eyebolts	50
261	J. R. Chase, bicycle tire	3 50
262	P. M. Shea, shoeing	5 50
263	Peter F. Clark & Co., shoeing	5 00
264	Daniel J. Sullivan, shoeing	6 13
265	Shreenan & Sullivan, shoeing	4 50
266	Daniel Beard, shoeing	5 13
	Pay Rolls	79 00

Crusher:

267	Perry Coal Co., fuel	121 95
268	J. M. K. Southwick, explosives	43 50
269	Waters Governor Co., supplies	5 22
270	Highways and bridges, express	1 85
271	A. & H. G. Hammett, lumber	3 01
272	Providence Oil Co., belt dressing and grease	12 15
273	Main Belting Co., lace	6 75
274	Walworth Manufacturing Co., air cocks	2 16
	Pay Rolls	1,048 23

Rollers:

275	Perry Coal Co., fuel	123 17
276	Charles S. Goddard, repairs	3 50
277	Buffalo Steam Roller Co., scraper bracket	2 50
278	Highways and bridges, express	25

Materials:

279	John M. Freeed, pipe	263 54
280	Darling & Slade, cement	190 50
281	Fuller Iron Works, manhole covers and rims	36 00
282	Highways and bridges, freight	1 40

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283	W. L. Nordling, kerosene	3 75
284	C. U. Hallock, kerosene	3 75
		$24,133 35

October.

Stable:

285	H. L. Marsh & Co., forage	$159 83
286	The Texas Co., gasoline	3 68
287	J. T. O'Connell, manila rope	57
288	Wm. B. Scott & Co., grease, etc.	2 75
289	W. F. Gratrix, supplies	3 30
290	H. F. Copeland, removing dead horse	3 00
291	Wm. A. Stoddard, medicines, etc.	30 00
292	Shreenan & Sullivan, shoeing	4 50
293	Daniel Beard, shoeing	5 13
294	P. M. Shea, shoeing	11 75
295	Peter F. Clark & Co., shoeing	4 50
296	Daniel J. Sullivan, shoeing	4 50
	Pay Rolls	96 50

Crusher:

297	Perry Coal Co., fuel	133 05
298	J. M. K. Southwick, dynamite	60 00
299	Providence Oil Co., belt dressing	8 55
300	Newport Foundry & Machine Corp., crusher oil	12 61
301	W. L. Nordling, kerosene	3 75
302	J. T. O'Connell, manila rope	44
303	M. F. Shea, tube rods	4 00
304	The Peckham Co., putty	25
305	George A. Weaver Co., hammer handles	2 25
306	Lynch Brothers, putty, etc.	4 81
	Pay Rolls	1,377 93

Rollers:

307	Perry Coal Co., fuel	124 47
308	J. T. O'Connell, cotton waste	34 13
309	Newport Foundry & Machine Corp., auto oil	20 80
310	W. L. Nordling, kerosene	3 75
311	C. U. Hallock, kerosene	7 50
312	Lynch Brothers, nipple, etc.	58

Materials:

313	John M. Friend, pipe	181 10
		$26,443 33

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November.

Stable:		
314	H. L. Marsh & Co., forage	$181 49
315	The Texas Co., gasoline	1 58
316	Julius Burdick, gasoline	12 60
317	M. F. Shea, repairing express wagon	3 25
318	Dudley P. Bacheller, repairing buggy	3 90
319	J. R. Chase, repair motor cycle	16 18
320	B. Morgan, repair auto	8 00
321	Highways and bridges, express	25
322	Daniel J. Sullivan, shoeing	9 51
323	Peter F. Clark & Co., shoeing	4 50
324	Shreenan & Sullivan, shoeing	4 50
325	P. M. Shea, shoeing	10 26
326	Daniel Beard, shoeing	5 13
	Pay Rolls	96 91
Crusher:		
327	Perry Coal Co., fuel	69 13
328	J. M. K. Southwick, dynamite	20 00
329	A. & H. G. Hammett, lumber	12 30
330	The Peckham Co., brushes, etc.	1 00
331	Newport Foundry & Machine Corp., packing	90
332	George A. Weaver Co., hammer handles	1 20
333	Providence Telephone Co., service	28 00
	Pay Rolls	826 69
Rollers:		
334	Perry Coal Co., fuel	28 27
	Pay Rolls	163 79
Materials:		
335	Darling & Slade, cement	95 25
336	C. U. Hallock, kerosene	3 75
		$28,051 67

December.

Stable:		
337	H. L. Marsh & Co., forage	$106 88
338	Wm. K. Covell, reflector lantern	3 00
339	Wm. B. Scott & Co., bags	2 00
340	The Texas Co., gasoline	9 99
341	Newport Gas Light Co., gas	99
342	M. F. Shea, cart repairs	53 85
343	Henry H. Lawton, stable supplies	11 65

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344	Henry Biesel & Son, harness repairs	5 55
345	J. R. Chase, auto repairs	66 07
346	Thos. G. Owen, oil, etc.	25 22
347	Daniel Beard, shoeing	5 13
348	P. M. Shea, shoeing	5 50
349	Peter F. Clark & Co., shoeing	4 50
350	Daniel J. Sullivan, shoeing	6 63
	Pay Rolls	90 66
Crusher:		
351	G. H. Burnham, gaskets, etc.	5 28
	Pay Rolls	35 00
Rollers:		
	Pay Rolls	192 00
		$28,681 57
	Total	$144,635 40

Respectfully submitted,

J. K. SULLIVAN,

Street Commissioner.

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Annual Report of the Street and Highway Department

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City of Newport, Rhode Island
Municipal Year of 1912

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ANNUAL REPORT

OF THE

Street Commissioner

OF THE

CITY OF NEWPORT

1912

J. K. SULLIVAN, Street Commissioner
F. M. SISSON, Clerk

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Annual Report of Street Commissioner

December 31, 1912.

To the Honorable the Representative Council of the City of Newport, R. I.:

Gentlemen:—I respectfully submit the following report of the operations of the Department of Highways and Bridges for the municipal year of Nineteen Hundred and Twelve.

STATISTICS

This office has carefully prepared and revised the following statistics from the records of the department, viz:

Streets

	Mileage
Granite Block Pavement	1.69
Bitulithic and Granite Block Pavement	1.56
Telford Macadam	15.55
Macadam	40.07
Asphalt Macadam	.94
Tarvia Macadam	2.24
Tarvia	1.72
Cobble	.51
Dirt	26.96
Total	91.24

Sidewalks

Granolithic	18.388
Granolithic and Dirt	.748
Flagstone	2.598
Flagstone and Cobble	.145
Flagstone and Dirt	1.428
Brick	2.895
Asphalt	.603
Asphalt Block	.485
Plank	.313
Dirt	87.154
Total	114.757

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Gutters

Granite Culls	18.02
Cobbles	36.51
Flagstone and Cobbles	.92
Total	55.45

Curb

Bluestone	40.788
Granite	15.920
Granolithic	1.853
Total	58.561

Sewers

Vitrified Pipe	40.038
Cast Iron Pipe	.817
Circular Brick	4.727
Brick	1.449
Stone	.516
Tunnel	.388
Cement Pipe	.104
Total	48.039

City Wharf

Minor repairs have been made to the buildings located on City Wharf, at an expense of $99.86. Appropriation, $100.00. Balance, 14 cents.

I would recommend that necessary repairs be made to the Stable and Roller Sheds, and that all of the buildings be painted. Some of the fencing, which was blown down during a heavy wind storm, should be rebuilt. What the Department really needs is entire new quarters. All of the old buildings should be torn down and replaced with one long building of sufficient capacity to accommodate everything under one roof.

City Scales

In accordance with the appropriation made this year, the much-needed 15-ton scale was installed at City Wharf, to replace the old worn out 10-ton scale, which has been in constant use for over thirty years.

The scales were installed by the Providence Scale Company of Providence, R. I., who were the lowest bidder, their price being two hundred and ninety-five ($295.00) dollars.

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This department enlarged the pit and made repairs to the foundation at a cost of $46.92, making a total cost of $341.92 for installing the scales. Appropriation, $350.00. Balance, $8.08.

Horses and Carts

One horse was purchased this year at an expense of one hundred and twenty-five dollars ($125.00) for the use of the timekeeper.

I would recommend that the same appropriation of seven hundred and fifty ($750.00) dollars be made next year for the purchase of horses. I am quite sure we shall need it. Appropriation, $750.00. Balance, $625.00.

The carts and gears are repaired and painted by the permanent employees of the department during the winter months.

Snow Removal

We have been quite fortunate during the past year in not having many very heavy snow storms, consequently the expense for removal has been less than former years. Total cost this year, $1,466.11.

This office has prepared the following table, showing the cost of the removal of snow for the past ten years, viz:

1903	$8,049 17
1904	1,860 55
1905	2,752 04
1906	620 42
1907	4,087 16
1908	1,680 76
1909	804 54
1910	3,363 95
1911	1,871 61
1912	1,466 11
Total	$26,556 31

This makes an average cost per year for the past ten years of $2,655.63.

It is very difficult to estimate the amount needed for this purpose. Appropriation this year, $3,500.00; Expenditure, $1,466.11; leaving a balance of $2,033.89. However, the cost may far exceed this amount next year. In the year 1903, the expense was over eight thousand dollars.

Removal of Snow, Year 1912

	Teams		Carts		Total
	Loads	Cu. Yds.	Loads	Cu. Yds	Cu. Yds.
1912					
Jan. 2			4	8	8
Feb. 5			8	16	16
Feb. 6			11	22	22

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Feb. 7.....			12	24	24
Feb. 12.....			6	12	12
Feb. 13.....			22	44	44
Feb. 20	6	18	20	40	58
Dec. 26.....	32	96	55	110	206
	38	114	138	276	390

Settling Tank

The Settling Tank, located on Briggs' Wharf, was cleaned this year at an expense of $423.44; repairs, $28.22; making a total cost of $451.66. Appropriation, $600.00. Balance, $148.34.

New sills and other repairs to the building are much needed, and I would recommend that a concrete foundation be constructed at the Settling Tank next year.

Street Cleaning

The permanent pavements are cleaned throughout the year except when covered with snow or during extreme cold weather.

The cleaning of all other streets was commenced on April 2nd and continued until November 15th, when this work was discontinued for the winter.

This street cleaning force is divided into five sections, two of which clean the streets in the city proper; two cover the suburban districts, including the mowing of grass, weeding, etc.; and one section covers Bellevue Avenue. The total number of loads removed this season was 8,977.

From our card index system, we submit the following table, showing the amount of work done by this part of the department, viz:

Cleaning Streets, Season 1912

Permanent Pavements	Miles	Sq. Yds.	Cost
Broadway.....	149.9	4,925,449	$1,870.05
Washington Square	57.5	2,023,511	
Long Wharf....	112.6	1,354,254	791.31
Spring Street.....	591.6	7,449,100	2,024.63
Thames Street	693.1	8,912,178	5,431.90
	1,604.7	24,664,492	$10,117.89
Bellevue avenue.....	743.4	13,632,280	2,382.94
All other streets.....	764.7	12,202,206	17,461.58
	3,112.8	50,498,978	$29,962.41

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COMPARATIVE STATEMENT OF WATERING

Seasons 1911 and 1912

	1911	1912	Increase
Gallons water used :			
Fresh	17,868,183	20,084,089	2,215,906
Salt	1,647,200	1,865,650	218,450
Totals	19,515,383	21,949,739	2,434,356
Mileage covered :			
Fresh	9,336.57	11,251.24	1,914.69
Salt	978.39	1,067.77	89.38
Totals	10,314.96	12,319.01	2,004.07
Area covered, square yards:			
Fresh	135,028,329	163,772,122	28,743,793
Salt	18,377,241	20,480,371	2,103,130
Totals	153,405,570	184,252,493	30,846,923
Watering Days	1,469.5	1,674.1	204.4

The total cost of watering this year was $10,416.15, or about $173.60 per mile for the season. About 60 miles were watered, on an average of twice daily.

The following statistics will give you the amount of work performed by each cart.

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STREET WATERING

Double Cart No. 27. Capacity 600 gals.

Loads per day—Fresh, 28; Salt, None. Gallons used per day—Fresh, 16,800; Salt, None.

		Totals. Gallons of Water used			Mileage of Streets Watered			Area of Streets Watered.		
1912	Days	Fresh	Salt	Total	Fresh	Salt	Total	Fresh	Salt	Total
April	1	16,800	.....	16,800	7.69	.....	7.69	119,644	.....	119,644
May	18-3	308,700	.....	308,700	141.30	.....	141.30	2,198,459	.....	2,198,459
June	29	487,200	.....	487,200	169.36	.....	169.36	3,446,940	.....	3,446,940
July	24	403,200	.....	403,200	124.08	.....	124.08	2,610,240	.....	2,610,240
Aug.	25-2	424,200	.....	424,200	123.98	.....	123.98	2,641,655	.....	2,641,655
Sept.	23-4	394,800	.....	394,800	115.39	.....	115.39	2,458,570	.....	2,458,570
Oct.	21-6	365,400	.....	365,400	106.79	.....	106.79	2,275,485	.....	2,275,485
Nov.	6-4	109,200	.....	109,200	31.92	.....	31.92	680,030	.....	680,030
	149-3	2,509,500	.....	2,509,500	820.51	.....	820.51	16,431,023	.....	16,431,023

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STREET WATERING

Double Cart No. 25. Capacity 600 gals.

Loads per day—Fresh, 26; Salt, None. Gallons used per day—Fresh, 15,600; Salt, None.

		Totals. Gallons of water used.			Mileage of Streets Watered.			Area of Streets Watered.		
1912	Days	Fresh	Salt	Total	Fresh	Salt	Total	Fresh	Salt	Total
May	9	140,400	.....	140,400	124.65	.....	124.65	1,875,924	.....	1,875,924
June	26-6	417,300	.....	417,300	360.59	.....	360.59	5,338,016	.....	5,338,016
July	23-4	366,600	.....	366,600	405.50	.....	405.50	4,501,566	.....	4,501,566
Aug.	22-4	351,000	.....	351,000	285.53	.....	285.53	4,151,880	.....	4,151,880
Sept.	18-6	292,500	.....	292,500	237.94	.....	237.94	3,459,900	.....	3,459,900
Oct.	18	280,800	.....	280,800	228.42	.....	228.42	3,321,504	.....	3,321,504
Nov.	2-4	39,000	.....	39,000	31.73	.....	31.73	461,320	.....	461,320
	121	1,887,600	.....	1,887,600	1,674.36	.....	1,674.36	23,110,110	.....	23,110,110

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STREET WATERING

Double Cart No. 27. Capacity 600 gals.

Loads per day—Fresh, 28; Salt, None. Gallons used per day—Fresh, 16,800; Salt, None.

		Totals. Gallons of Water used			Mileage of Streets Watered			Area of Streets Watered.		
1912	Days	Fresh	Salt	Total	Fresh	Salt	Total	Fresh	Salt	Total
April	1	16,800	.....	16,800	7.69	.....	7.69	119,644	.....	119,644
May	18-3	308,700	.....	308,700	141.30	.....	141.30	2,198,459	.....	2,198,459
June	29	487,200	.....	487,200	169.36	.....	169.36	3,446,940	.....	3,446,940
July	24	403,200	.....	403,200	124.08	.....	124.08	2,610,240	.....	2,610,240
Aug.	25-2	424,200	.....	424,200	123.98	.....	123.98	2,641,655	.....	2,641,655
Sept.	23-4	394,800	.....	394,800	115.39	.....	115.39	2,458,570	.....	2,458,570
Oct.	21-6	365,400	.....	365,400	106.79	.....	106.79	2,275,485	.....	2,275,485
Nov.	6-4	109,200	.....	109,200	31.92	.....	31.92	680,030	.....	680,030
	149-3	2,509,500	.....	2,509,500	820.51	.....	820.51	16,431,023	.....	16,431,023

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STREET WATERING

Double Cart No. 28. Capacity 600 gals.

Loads per day—Fresh, 24; Salt, 2. Gallons used per day—Fresh, 14,400; Salt, 1,200.

		Totals. Gallons of Water Used.			Mileage of Streets Watered.			Area of Streets Watered.		
1912	Days	Fresh	Salt	Total	Fresh	Salt	Total	Fresh	Salt	Total
May	8	115,200	9,600	124,800	60.72	1.52	62.24	1,661,728	35,552	1,697,280
June	26-6	385,200	32,100	417,300	203.03	5.08	208.11	5,556,403	118,877	5,675,280
July	23-4	338,400	28,200	366,600	154.87	4.46	159 33	1,758,975	104,434	1,863,409
Aug.	22	316,800	26,400	343,200	144.98	4.18	149.16	1,646,700	97,768	1,744,468
Sept.	18-6	270,000	22,500	292,500	123.56	3.57	127.13	1,403,438	83,325	1,486,763
Oct.	18	259,200	21,600	280,800	118.62	3.42	122.04	1,347,300	79,992	1,437,292
Nov.	2-6	39,600	3,300	42,900	18.12	.53	18.65	205,838	12,221	218,059
	119-6	1,724,400	143,700	1,868,100	323.90	22.76	846.66	13,580,382	532,169	14,112,551

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STREET WATERING

Double Cart No. 29. Capacity 600 Gals.

Loads per day—Fresh 26; Salt, None. Gallons Used per day—Fresh, 15,600; Salt, None.

		Totals. Gallons of Water Used			Mileage of Streets Watered			Area of Streets Watered.		
1912	Days	Fresh	Salt	Total	Fresh	Salt	Total	Fresh	Salt	Total
May	9	140,400	.....	140,400	98.19	.....	98.19	1,737,072	.....	1,737,072
June	12-2	191,100	.....	191,100	133.65	.....	133.65	2,364,348	.....	2,364,348
	21-2	331,500	.....	331.500	231.84	.....	231.84	4,101,420	.....	4,101,420

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STREET WATERING

Double Cart No. 30. Capacity 600 Gals.

Loads per day—Fresh, 10; Salt, 10. Gallons Used per day—Fresh, 6,000; Salt, 6,000.

		Totals. Gallons of Water Used.			Mileage of Streets Watered			Area of Streets Watered.		
1912	Days	Fresh	Salt	Total	Fresh	Salt	Total	Fresh	Salt	Total
May	8	48,000	48,000	96,000	29.20	28.40	57.60	491.184	575,488	1,066,672
June	27	162,000	162,000	324,000	98.55	95.85	194.40	1,657,746	1,942,272	3,600,018
July	23-4	141,000	141,000	282,000	85.78	83.42	169.20	1,442,853	1,690,496	3,133,349
Aug.	22-4	135,000	135,000	270,000	82.12	79.88	162.00	1,381,455	1,618,560	3,000,015
Sept.	19	114,000	114,000	228,000	69.35	67.45	136.80	1,166,562	1,366,784	2,533,346
Oct.	18-2	109,500	109,500	219,000	66.61	64.79	131.40	1,120,514	1,312,832	2,433,346
	118-2	709,500	709,500	1,419,000	431.61	419.79	851.40	7,260,314	8,506,432	15.766,746

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STREET WATERING

Double Cart No. 31. Capacity 600 Gals.

Loads per day—Fresh, None ; Salt, 12. Gallons Used per day - Fresh, None ; Salt, 7,200

		Totals. Gallons of Water Used			Mileage of Streets Watered.			Area of Streets Watered.		
1912	Days	Fresh	Salt	Total	Fresh	Salt	Total	Fresh	Salt	Total
May	10-4	.....	75,600	75,600	.....	65.10	65.10	.....	1,148,574	1,148,574
June	27-2	.....	196,200	196,200	.....	127.53	127.53	.....	2,395,275	2,395,275
July	23-6	.....	171,000	171,000	.....	111.15	111.15	.....	2,087,625	2,087,625
Aug.	22-6	.....	163,800	163,800	.....	106.47	106.47	.....	1,999,725	1,999,725
Sept.	19	.....	136,800	136,800	.....	88.92	88.92	.....	1,670,100	1,670,100
Oct.	18-6	.....	135,000	135,000	.....	87.75	87.75	.....	1,648,125	1,648,125
	122	.....	878,400	878,400	.....	586.92	586.92	.....	10,949,424	10,949,424

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STREET WATERING

Double Cart No. 32. Capacity 700 Gals.

Loads per day—Fresh, 25 ; Salt, None. Gallons Used per day—Fresh, 17,500 ; Salt, None.

		Totals. Gallons of Water Used.			Mileage of Streets Watered			Area of Streets Watered.		
1912	Days	Fresh	Salt	Total	Fresh	Salt	Total	Fresh	Salt	Total
May	9	157,500	.....	157,500	85.32	.....	85.32	1,157,796	.....	1,157,796
June	26-6	468,125	.....	468,125	253.59	.....	253.59	3,441,227	.....	3,441,227
July	23-4	411,250	.....	411,250	173.67	.....	173.67	2,304,457	.....	2,304,457
Aug.	22-2	389,375	.....	389,375	164.43	.....	164.43	2,181,879	.....	2,181,879
Sept.	20-2	354,375	.....	354,375	149.65	.....	149.65	1,985,756	.....	1,985,756
Oct.	18	315,000	.....	315,000	133.02	.....	133.02	1,765,116	.....	1,765,116
Nov.	2	35,000	.....	35,000	14.78	.....	14.78	196,124	.....	196,124
	121-6	2,130,625	.....	2,130,625	974.46	.....	974.46	13,032,355	.....	13,032,355

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STREET WATERING

Double Cart No. 33. Capacity 600 Gals.

Loads per day—Fresh 27; Salt, None. Gallons Used per day—Fresh 16,200; Salt, None

		Totals. Gallons of Water Used.			Mileage of Streets Watered			Area of Streets Watered.		
1912	Days	Fresh	Salt	Total	Fresh	Salt	Total	Fresh	Salt	Total
May	11	178,200	.....	178,200	263.89	.....	263.89	4,699,948	.....	4,699,948
June	27-2	441,450	.....	441,450	274.95	.....	274.95	4,275,689	.....	4,275,689
July	24-2	392,850	.....	392,850	234.26	.....	234.26	3,646,764	.....	3,646,764
Aug.	22-4	364,500	.....	364,500	210.60	.....	210.60	3,223,620	.....	3,223,620
Sept.	19-6	319,950	.....	319,950	184.86	.....	184.86	2,822,122	.....	2,822,122
Oct.	18	291,600	.....	291,600	168.48	.....	168.48	2,578,896	.....	2,578,896
	122-6	1,988,550	.....	1,988,550	1,337.04	.....	1,337.04	21,247,039	.....	21,247,039

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STREET WATERING

Single Cart No. 10. Capacity 350 Gals.

Loads per day—Fresh, 38; Salt, None. Gallons Used per day—Fresh, 13,300; Salt, None.

		Totals. Gallons of Water Used.			Mileage of Streets Watered.			Area of Streets Watered.		
1912	Days	Fresh	Salt	Total	Fresh	Salt	Total	Fresh	Salt	Total
May	11	146,300	.....	146,300	93.94	.....	93.94	1,300,376	.....	1,300,376
June	22-6	302,575	.....	302,575	194.29	.....	194.29	2,689,414	.....	2,689,414
July	20-4	272,650	.....	272,650	153.96	.....	153.96	2,147,498	.....	2,147,498
Aug.	20	366,000	.....	366,000	150.20	.....	150.20	2,095,120	.....	2,095,120
Sept.	17	226,100	.....	226,100	127.67	.....	127.67	1,780,852	.....	1,780,852
Oct.	17	226,100	.....	226,100	127.67	.....	127.67	1,780,852	.....	1,780,852
	108-2	1,539,725	.....	1,539,725	847.73	.....	847.73	11,794,112	.....	11,794,112

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STREET WATERING

Single Cart No. 14. Capacity 350 Gals.

Loads per day—Fresh, 30; Salt, None. Gallons Used per day—Fresh 10,500; Salt, None.

		Totals. Gallons of Water Used.			Mileage of Streets Watered.			Area of Streets Watered.		
1912	Days	Fresh	Salt	Total	Fresh	Salt	Total	Fresh	Salt	Total
May	9	94,500	.....	94,500	90.81	.....	90.81	1,096,632	.....	1,096,632
June	22–6	238,875	.....	238,875	229.55	.....	229.55	2.772,042	.....	2,772,042
July	20–4	215,250	.....	215,250	166.05	.....	166.05	1,936,307	.....	1,936,307
Aug.	20	210,000	.....	210,000	158.60	.....	158.60	1,836,160	.....	1,836,160
Sept.	17–6	186,375	.....	186,375	140.76	.....	140.76	1,629,592	.....	1,629,592
Oct.	18	189,000	.....	189,000	142.74	.....	142.74	1,652,544	.....	1,652,544
	108	1,134,000	.....	1,134,000	928.51	.....	928.51	10,923,277	.....	10,923,277

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STREET WATERING.

Single Cart No. 15. Capacity 350 Gals.

Loads per day—Fresh, 38; Salt, None. Gallons Used per day—Fresh, 13,300; Salt, None.

		Totals. Gallons of Water Used.			Mileage of Streets Watered.			Area of Streets Watered.		
1912	Days	Fresh	Salt	Total	Fresh	Salt	Total	Fresh	Salt	Total
May	10	133,000	.....	133,000	61.00	.....	61.00	711,100	.....	711,100
June	22-6	302,575	.....	302,575	138.78	.....	138.78	1,617,753	.....	1,617,753
July	20-4	272,650	.....	272,650	110.50	.....	110.50	1,248,860	.....	1,248,860
Aug.	20	266,000	.....	266,000	107.80	.....	107.80	1,218,400	.....	1,218,400
Sept.	17	226,100	.....	226,100	91.63	.....	91.63	1,035,640	.....	1,035,640
Oct.	17	226,100	.....	226,100	91.63	.....	91.63	1,035,640	.....	1,035,640
Nov.	2	26,600	.....	26,600	10.78	.....	10.78	121,840	.....	121,840
	109-2	1,453,025	.....	1,453,025	612.12	.....	612.12	6,989,233	.....	6,989,233

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STREET WATERING

Single Cart No. 16. Capacity 350 Gals.

Loads per day—Fresh 37; Salt, None. Gallons Used per day—Fresh, 12,950; Salt, None.

		Totals. Gallons of Water Used.			Mileage of Streets Watered			Area of Streets Watered.		
1912	Days	Fresh	Salt	Total	Fresh	Salt	Total	Fresh	Salt	Total
May	12	155,400	.....	155,400	102.96	.....	102.96	1,876,608	.....	1,876,608
June	27-2	352,888	.....	352,888	172.22	.....	172.22	2,487,707	.....	2,487,707
July	23-4	304,325	.....	304,325	123.14	.....	123.14	1,749,058	.....	1,749,058
Aug.	23-6	307,563	.....	307,563	115.43	.....	115.43	1,587,735	.....	1,587,735
Sept.	21-2	275,188	.....	275,188	103.28	.....	103.28	1,420,605	.....	1,420,605
Oct.	20	259,000	.....	259,000	97.20	.....	97.20	1,337,040	.....	1,337,040
Nov.	2-4	32,375	.....	32,375	12.15	.....	12.15	167,130	.....	167,130
	130-2	1,686,739	.....	1,686,739	726.38	.....	726.38	10,625,883	.....	10,625,883

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STREET WATERING

Single Cart No. 22. Capacity 300 Gals.

Loads per day—Fresh, 30 ; Salt, None. Gallons Used per day—Fresh, 9,000 ; Salt, None.

		Totals. Gallons of Water Used.			Mileage of Streets Watered			Area of Streets Watered.		
1912	Days	Fresh	Salt	Total	Fresh	Salt	Total	Fresh	Salt	Total
May	13	117,000	.....	117,000	88.79	.....	88.79	1,050,764	.....	1,050,764
June	26-6	240,750	.....	240,750	156.76	.....	156.76	1,736,289	.....	1,736,289
July	23-4	211,500	.....	211,500	119.15	.....	119.15	1,324,836	.....	1,324,836
Aug.	22	198,000	.....	198,000	111.54	.....	111.54	1,240,272	.....	1,240,272
Sept.	19-6	177,750	.....	177,750	100.13	.....	100.13	1,113,426	.....	1,113,426
Oct.	21	189,000	.....	189,000	106.47	.....	106.47	1,183,896	.....	1,183,896
Nov.	4-2	38,250	.....	38,250	21.55	.....	21.55	239,598	.....	239,598
	130-2	1,172,250	.....	1,172,250	704.39	.....	704.39	7,889,081	.....	7,889,081

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STREET WATERING

Single Cart No. 37. Capacity 350 gals.

Loads per day—Fresh, 14; Salt, 4. Gallons used per day—Fresh, 4,900; Salt, 1,400.

		Totals. Gallons of Water Used.			Mileage of Streets Watered.			Area of Streets Watered.		
1912	Days	Fresh	Salt	Total	Fresh	Salt	Total	Fresh	Salt	Total
April	1-4	7,350	2,100	9,450	8.34	60	8.94	105,810	7,713	113,523
May	8-4	41,650	11,900	53,550	47.26	3.40	50.66	599,590	43,707	643,297
June	24	117,600	33,600	151,200	133.44	9.60	143 04	1,692,960	123,408	1,816,368
July	20-6	101,675	29,050	130,725	66.19	8.30	74.49	795,431	106,696	902,127
Aug.	22	107,800	30,800	138,600	70.18	8.80	78.98	843,348	113,124	956,472
Sept.	18	88,200	25,200	113,400	57.42	7.20	64.62	690,012	92,556	782,568
Oct.	1	4,900	1,400	6,300	3.19	.40	3.59	38,334	5,142	43,476
	95-6	469,175	134,050	603,225	336.02	38.30	424.32	4,765,485	492,346	5,257,831

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STREET WATERING

Single Cart No. 38. Capacity 350 Gals.

Loads per day—Fresh, 40; Salt, None. Gallons Used per day – Fresh, 14,000; Salt, None.

		Totals. Gallons of Water Used			Mileage of Streets Watered.			Area of Streets Watered.		
1912	Days	Fresh	Salt	Total	Fresh	Salt	Total	Fresh	Salt	Total
June	14-4	203,000	.....	203,000	129.63	.....	129.63	2,145,739	.....	2,145,739
July	23-4	329,000	.....	329,000	196.93	.....	196.93	3,258,886	.....	3,258,886
Aug.	22-4	315,000	.....	315,000	164.48	.....	164.48	2,556,225	.....	2,556,225
Sept.	19-6	276,500	.....	276,500	144.37	.....	144.37	2,243,798	.....	2,243,798
Oct.	16	224,000	.....	224,000	116.96	.....	116.96	1,817,760	.....	1,817,760
	96-2	1,347,500	.....	1,347,500	752.37	.....	752.37	12,022,408	.....	12,022,408

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SUMMARY OF STREET WATERING

		Gallons of Water used			Mileage of Streets Watered			Area of Streets Watered.		
Cart	Days	Fresh	Salt	Total	Fresh	Salt	Total	Fresh	Salt	Total
25	121	1,887,600	.....	1,887,600	1,674.36	.....	1,674 36	23,110,110	.....	23,110,110
27	149-3	2,509,500	.....	2,509,500	820.51	.....	820.51	16,431,023	.....	16,431,023
28	119-6	1,724,400	143,700	1,868,100	823.90	22.76	846.66	13,580,382	532,169	14,112,551
29	21-2	331,500	.....	331,500	231.84	.....	231.84	4,101,420	.....	4,101,420
30	118-2	709,500	709,500	1,419,000	431.61	419.79	851.40	7,260,314	8,506,432	15,766,746
31	122		878,400	878,400	.....	586.92	586.92	.....	10,949,424	10,949,424
32	121-6	2,130,625	.....	2,130,625	974.46	.....	974.46	13,032,355	.....	13,032,355
33	122 6	1,988,550	.....	1,988,550	1,337.04	.....	1,337.04	21,247,039	.....	21,247,039
10	108 2	1,539,725	.....	1,539,725	847.73	.....	847.73	11,794,112	.....	11,794,112
14	108	1,134,000	.....	1,134,000	928.51	.....	928.51	10,923,277	.....	10,923,277
15	109-2	1,453,025	.....	1,453,025	612.12	.....	612.12	6,989,233	.....	6,989,233
16	130-2	1,686,739	.....	1,686,739	726.38	.....	726.38	10,625,883	.....	10,625,883
22	130-2	1,172,250	.....	1,172,250	704.39	.....	704.39	7,889,081	.....	7,889,081
37	95-6	469,175	134,050	603,225	386.02	38.30	424.32	4,765,485	492,346	5,257,831
38	96-2	1,347,500	.....	1,347,500	752.37	.....	752.37	12,022,408	.....	12,022,408
	1674-1	20,084,089	1,865,650	21,949,739	11,251.24	1,067.77	12,319.01	163,772,122	20,480,371	184,252,493

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COMPARATIVE STATEMENT OF STREET WATERING

		Gallons of Water Used.			Mileage of Streets Watered			Area of Streets Watered.		
Year	Days	Fresh	Salt	Total	Fresh	Salt	Total	Fresh	Salt	Total
1907	1973-2	29,622,914	2,245,075	31,867,989	14,918 61	1,812.24	16,730.85	202,983.848.35	30,867,466.84	233,851,315.19
1908	1977-2	30,353,738	1,861,038	32,214,776	15,007.45	1,768.34	16,775.79	204,414,971.15	30,205,186.88	234,620,158.03
1909	1771-3	26,931,452	1,661,662	28,593,114	13,352.02	1,539.13	14,891.15	182,801,035.46	26.490,043.34	209,291,078.80
1910	1526-6	24,412,998	2,221,574	26,634,572	10,943.16	1,393.47	12,336.63	156,700,279.00	31,087,143.00	187,787,422.00
1911	1469-5	17,868,183	1,647,200	19,515,383	9,336.57	978.39	10,314.96	135,028,329.00	18,377,241.00	153,405,570.00
1912	1674-1	20,084,089	1,865,650	21,949,739	11,251.24	1,067.77	12.319.01	163,772.122.00	20,480.371.00	184,252.493.00

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Applying Dustoline.

For six years, this department has applied Dustoline to the roadbeds of certain streets, and the result this year, as in former years, has been very satisfactory.

Although we have experimented with several so called dustlayers, we have been unable to find a material that will in any way compare with Dustoline in quality or durability.

By referring to the table of statistics, you will observe that many more streets were treated this year than formerly, including the whole Point district, also, that it was not necessary to make so many applications.

We had on hand from last season, 2,769 gallons of Dustoline, with which we treated Ridge Road and part of Harrison Avenue.

The department purchased this year, six tank cars of Dustoline, containing 47,015 gallons of this material.

The total cost for applying Dustoline this past season was $3,441.52, or about $123.76 per mile for the season, covering about 27 miles of 20 foot roadbed.

Two hundred dollars was again donated this year toward the expense of treating the Broadway Roadbed.

The following statistics will give you the full detail as to applications, etc., viz:

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BALANCE ON HAND IN STORAGE TANK (Purchased 1911)

First Application, May 20, and 21, 1912

Street or Avenue.	Sq. Yds.	Average Gal. per Sq. Yd.	Gals. Used.	Total Cost
Ridge Road	10,744	.2272	2,441	$170.46
Harrison Avenue, Ridge Road to Auchincloss Estate	1,444	.2272	328	22.94
	12,188		2,769	$193.40

Cost per Gallon Applied, $0.0698

Average Cost per square yard $0.0158

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FIRST CAR OF DUSTOLINE

First Application, June 1, 3, and 4, 1912

Street or Avenue.	Sq. Yds.	Average Gal. per Sq. Yd.	Gals. Used	Total Cost
Broadway, One Mile Corner to Equality Park Place	23,945	.1224	2,933	$202.63
Bellevue Avenue, Touro Street to Shepard Avenue	22,633	.1295	2,933	202.63
Harrison Avenue, Auchincloss Estate to Carroll Avenue	28,528	.0822	2,347	162.15
	75,106		8,213	$567.41

Cost per Gallon Applied, $0.06908

Average Cost per square yard, $0.0075

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SECOND CAR OF DUSTOLINE

First Application, June 11, 12, and 13, 1912

Street or Avenue	Sq. Yds.	Average Gal. per Sq. Yd	Gals. Used	Total Cost
Bridge Street	2,629	.1122	295	$20.38
Third Street, Marsh Street to Training Station Road	10,389	.1122	1,166	80.55
Washington Street, Battery Street to Railroad Tracks	6,534	.1122	733	50.64
Carroll Avenue, Thames Street to Harrison Avenue	3,733	.1378	515	35.58
Morton Avenue	4,225	.1378	582	40.21
Second Street	6,358	.1361	865	59.76
Poplar Street	2,563	.1361	349	24.11
Cross Street	748	.1361	102	7.05
Elm Street	2,416	.1361	329	22.73
Washington Square	4,333	.1266	549	37.93
Bath Road, Bellevue Avenue to Cliff Avenue	5,506	.1486	819	56.58
Bath Road, Foot of Hill to Pavilion	5,558	.1486	826	57.06
Bellevue Avenue, Wheatland Avenue to Bailey's Beach	8,190	.1339	1,097	75.79
	63,182		8,227	$568.37

Cost per Gallon Applied, $0.06908

Average Cost per square yard, $0.0089

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THIRD CAR OF DUSTOLINE

First Application, June 22, 24, and 25, 1912

Street or Avenue	Sq. Yds.	Average Gal. per Sq. Yd.	Gals. Used	Total Cost
West Marlborough Street	2,123	.1075	228	15.75
Cypress Street	2,396	.1075	258	17.82
Sycamore Street	2,378	.1075	256	17.69
Van Zandt Avenue, Farewell Street to the Harbor	4,333	.1075	466	32.19
Farewell Street, Broadway to Van Zandt Avenue	7,529	.1075	809	55.89
Thames Street, Bridge Street to Poplar Street	800	.1075	86	5.94
Sanford Street	356	.1075	38	2.63
North Baptist Street	492	.1075	53	3.66
Battery Street	1,188	.1391	165	11.40
Pine Street	1,384	.1391	193	13.33
LaSalle Place	590	.1391	82	5.67
Sunnyside Place	1,408	.1391	196	13.54
Cherry Street	1,350	.1391	188	12.99
Chestnut Street	1,129	.1391	157	10.85
Guerney Court	490	.1391	68	4.70
Walnut Street	2,095	.1391	291	20.10
Willow Street	1,968	.1391	274	18.93

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THIRD CAR OF DUSTOLINE

First Application, June 22, 24 and 25, 1912

Street or Avenue	Sq. Yds.	Average Gal. per Sq. Yd.	Gals. Used	Total Cost
Chase Street	229	.1391	32	$2.21
Marlborough Street	2,272	.0916	208	14.37
Bath Road, Cliff Avenue to foot of hill, 600 feet	2,600	.0527	137	9.46
Marsh Street	3,717	.0916	341	23.56
Rousemainere Place	213	.1029	22	1.52
Northam Lane, Thames Street to Rousemainere Place	333	.1029	34	2.35
Swan Avenue	557	.1029	57	3.94
Wilcox Court	208	.1029	21	1.45
Sherman Wharf	1,500	.1029	154	10.64
Swinburne Wharf	1,017	.1029	105	7.25
Champlin's Wharf	735	.1029	76	5.25
Bull Wharf, 150 feet	250	.1029	26	1.80
Lopez Wharf, 150 feet	250	.1029	26	1.80
Peckham Wharf	380	.1029	39	2.70
Newman's Wharf	611	.1029	63	4.35
Ferry Wharf	342	.1029	35	2.42
Market Square	550	.1029	57	3.94

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THIRD CAR OF DUSTOLINE

First Application, June 22, 24 and 25, 1912

Street or Avenue	Sq. Yds.	Average Gal. per Sq. Yd.	Gals. Used	Total Cost
Bowen's Wharf	1,279	.1029	132	$9.12
West Pelham Street	1,057	.1029	109	7.53
Sayer's Wharf	1,625	.1029	167	11.54
Scott's Wharf	550	.1029	57	3.94
Commercial Wharf, North and South and between	6,725	.1029	694	47.94
Hammett's Lumber Yard, 200 feet	622	.1029	64	4.42
Perry Mill Court	390	.1029	40	2.76
Perry Mill Wharf	1,833	.1029	187	12.92
Bailey Court, 150 feet	283	.1029	29	2.00
Cottrell's Wharf	567	.0526	30	2.07
Taylor Court	767	.0526	40	2.76
Brown & Howard's Wharf	1,000	.0526	53	3.66
Lee's Wharf	1,200	.0526	63	4.35
West Howard Street	1,052	.0526	55	3.80
Spring Wharf	1,011	.0526	53	3.66
Extension Street, Thames Street West	867	.0526	46	3.18
Waite's Wharf	1,114	.0526	59	4.08

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THIRD CAR OF DUSTOLINE

First Application, June 22, 24 and 25, 1912

Street or Avenue	Sq. Yds.	Average Gal. per Sq. Yd.	Gals. Used	Total Cost
Coddington Wharf	456	.0526	24	$1.66
Goodwin Street	812	.0526	43	2.97
Harrington Street	928	.0526	49	3.39
Richmond Street, 150 feet	650	.0526	34	2.35
East Bowery Street, Bellevue Avenue to Middleton Avenue	3,522	.1558	549	37.93
	76,083		7,818	$540.12

Cost per Gallon Applied, $0.06908
Average Cost per Square Yard, $0.0071

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THIRD CAR OF DUSTOLINE

Second Application, June 24, 1912

Street or Avenue	Sq. Yds.	Average Gal. per Sq. Yd.	Gals. Used	Total Cost
Bellevue Avenue, Kay Street to East Bowery Street.....	7,961	.0517	412	$28.46

Cost per Gallon Applied, $0.06908
Average Cost per Square Yard, $0.0035

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FOURTH CAR OF DUSTOLINE

First Application, July 8, 9 and 10, 1912

Street or Avenue	Sq. Yds.	Average Gal. per Sq. Yd.	Gals. Used	Total Cost
Old Beach Road, Bellevue Avenue to Gibbs Avenue	7,327	.0756	554	$38.27
Catherine Street, Bellevue Avenue to Brinley Street	660	.0695	46	3.18
Chapel Street	3,074	.0695	214	14.78
Redwood Street, Bellevue Avenue to Cottage Street	798	.0695	56	3.87
Church Street, 300 feet, Bellevue Avenue west	567	.0695	39	2.70
Mill Street, 300 feet, Bellevue Avenue west	567	.0695	39	2.70
Pelham Street, 300 feet, Bellevue Avenue west	633	.0695	44	3.04
Prospect Hill Street, 300 feet, Bellevue Avenue west	300	.0695	21	1.45
John Street, 300 feet, Bellevue Avenue west	467	.0695	32	2.21
Levin Street, 300 feet, Bellevue Avenue west	500	.0695	35	2.42
William Street, 300 feet, Bellevue Avenue west	400	.0695	28	1.94
Gould Street	1,927	.1377	265	18.31
Tilley Avenue	1,572	.1377	217	14.99
Congdon Avenue, Gould Street north	1,179	.1377	162	11.19
Rhode Island Avenue, Broadway to Kay Street	3,360	.1377	463	31.99
West Broadway	3,981	.1787	712	49.19

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FOURTH CAR OF DUSTOLINE

First Application, July 8, 9 and 10, 1912

Street or Avenue	Sq. Yds.	Average Gal. per Sq. Yd.	Gals. Used	Total Cost
Branch Street	212	.1787	38	$2.63
Red Cross Avenue, Old Beach Road south, 500 feet	2,000	.1787	357	24.66
Bliss Road	7,157	.0706	505	34.89
Kay Street, Bull Street to Powel Avenue	8,520	.0706	602	41.59
Prairie Avenue, Catherine Street to Champlin Street	2,400	.1189	286	19.76
Catherine Street, Rhode Island Avenue to Gibbs Avenue	2,256	.1189	268	18.51
Berkeley Avenue	5,619	.1197	673	46.49
Gibbs Avenue, Catherine Street to Champlin Street	1,575	.1197	188	12.99
Dresser Street	2,053	.1197	246	16.99
Ruggles Avenue, Wetmore Avenue to end of Drexel estate	2,750	.1698	467	32.26
Ochre Point Avenue, Ruggles Avenue north, 200 feet	511	.1698	87	6.01
Halidon Avenue	3,427	.0805	276	19.07
	65,792		6,920	$478 08

Cost per gallon applied, $0.06908

Average cost per square yard, $0.0072

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FOURTH CAR OF DUSTOLINE

Second Application, July 10, 1912

Street or Avenue	Sq. Yds.	Average Gal. per Sq. Yd.	Gals. Used	Total Cost
Harrison Avenue	29,972	.0369	1,107	$76.48

Cost per gallon applied, $0.06908
Average cost per square yard, $0.0025

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FIFTH CAR OF DUSTOLINE

Second Application, July 25, 27 and August 13, 1912

Street or Avenue	Sq. Yds.	Average Gal. per Sq. Yd.	Gals. Used	Total Cost
Broadway, One Mile Corner to Equality Park Place	23,945	.0571	1,368	$94.50
Congdon Avenue, Gould Street north	1,179	.0571	68	4.70
Tilley Avenue	1,572	.0571	90	6.22
Gould Street	1,927	.0571	111	7.67
Washington Square	4,333	.0624	270	18.65
Marlborough Street	2,272	.0624	142	9.81
West Marlborough Street	2,123	.0624	133	9.19
Bellevue Avenue, East Bowery Street to Webster Street	7,891	.0461	364	25.15
Bath Road, Bellevue Avenue to Rhode Island Avenue	3,930	.0461	181	12.51
Bath Road, Cliff Avenue to pavilion	8,158	.0668	545	37.65
Kay Street. Bull Street to Powel Avenue	8,520	.0481	409	28.26
Old Beach Road, Bellevue Avenue to Gibbs Avenue	7,327	.0430	315	21.76
Chapel Street	3,074	.0430	133	9.19
Catherine Street, Rhode Island Avenue to Gibbs Avenue	2,256	.0430	97	6.70
	78,507		4,226	$291.96

Cost per gallon applied, $0.06908

Average cost per square yard, $0.0037

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FIFTH CAR OF DUSTOLINE

Third Application, July 26 and 27, 1912

Street or Avenue	Sq. Yds.	Average Gal. per Sq. Yd.	Gals. Used	Total Cost
Harrison Avenue	29,972	.0364	1,091	$75.37
Bellevue Avenue, Kay Street to East Bowery Street	7,961	.0684	545	37.65
	37,933		1,636	$113.02

Cost per gallon applied, $0.06908
Average cost per square yard, $0.0029

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FIFTH CAR OF DUSTOLINE

First Application, July 27, 29 and August 13, 1912

Street or Avenue	Sq. Yds.	Average Gal. per Sq. Yd.	Gals. Used	Total Cost
Franklin Street	735	.0847	63	$4.36
Narragansett Avenue, Thames Street to Forty Steps	18,577	.0847	1,574	108.74
Gibbs Avenue, Bliss Road to Kay Street	3,251	.1676	545	37.65
Kay Street, Touro Street to Bull Street	2,070	.0657	136	9.40
	24,633		2,318	$160.15

Cost per gallon applied, $0.06908

Average cost per square yard, $0.0065

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SIXTH CAR OF DUSTOLINE

First Application, August 15, 1912

Street or Avenue	Sq. Yds.	Average Gal. per Sq. Yd.	Gals. Used	Total Cost
Touro Street, Thames Street to Spring Street.....	1,556	.0854	133	$9.19

Average Cost per Square Yard, $0.0059
Cost per Gallon Applied, $0.06908

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SIXTH CAR OF DUSTOLINE

Second Application, August 14, 15, 16 & 30, 1912

Street or Avenue	Sq. Yds.	Average Gal. per Sq. Yd.	Gals. Used	Total Cost
Carroll Avenue, Thames Street to Harrison Avenue	3,733	.0671	250	$17.27
Morton Avenue	4,225	.0671	283	19.55
Third Street, Marsh Street to Training Station Road	10,389	.0514	534	36.89
Thames Street, Bridge Street to Poplar Street	800	.0419	34	2.35
Halidon Avenue	3,427	.0388	133	9.19
Franklin Street	735	.0344	26	1.80
Narragansett Avenue, Bellevue Avenue to Forty Steps	12,533	.0344	432	29.84
Red Cross Avenue, Old Beach Road South, 500 feet	2,000	.0507	102	7.05
Gibbs Avenue, Champlin Street to Water Works Road	1,369	.0507	69	4.77
Bliss Road	7,157	.0507	363	25.08
Wilcox Court	208	.0210	4	28
Sherman Wharf	1,500	.0210	32	2.21
Champlin's Wharf	735	.0210	16	1.11
Swinburne Wharf	1,017	.0210	21	1.45
Bull Wharf, 150 feet, Thames Street west	250	.0210	5	.35
Lopez Wharf, 150 feet, Thames Street west	250	.0210	5	.35
Peckham Wharf	380	.0210	8	.55

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SIXTH CAR OF DUSTOLINE

Second Application, August 14, 15, 16 and 30, 1912

Street or Avenue	Sq. Yds.	Average Gal. per Sq. Yd.	Gals. Used	Total Cost
Market Square	550	.0210	12	$.83
Newman's Wharf	611	.0210	13	.90
Ferry Wharf	342	.0210	7	.48
Bowen's Wharf	1,279	.0210	27	1.87
West Pelham Street	1,057	.0210	22	1.52
Sayer's Wharf	1,625	.0210	34	2.35
Scott's Wharf	550	.0210	12	.83
Commercial Wharf, north, south and between	6,725	.0210	141	9.74
Hammett's Lumber Yard, 200 feet	622	.0210	13	.90
Perry Mill Wharf	1,833	.0210	39	2.69
Bailey Court, 150 feet	283	.0210	6	.41
Cottrell's Wharf	567	.0210	12	.83
Taylor Court	767	.0210	16	1.11
Brown & Howard's Wharf	1,000	.0210	21	1.45
Lee's Wharf	1,200	.0210	25	1.73
West Howard Street	1,052	.0210	22	1.52

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SIXTH CAR OF DUSTOLINE

Second Application, August 14, 15, 16 and 30, 1912

Street or Avenue	Sq. Yds.	Average Gal. per Sq Yd.	Gals. Used	Total Cost
Spring Wharf	1,011	.0210	21	$1.45
Bridge Street	2,629	.0177	47	3.25
Cross Street	748	.0177	13	.90
Farewell Street, Broadway to Van Zandt Avenue	7,529	.0177	133	9.19
Van Zandt Avenue, Farewell Street to the Harbor	4,333	.0177	77	5.32
Cypress Street	2,396	.0177	43	2.97
Sycamore Street	2,378	.0177	42	2.90
Second Street	6,358	.0177	113	7.81
Marsh Street	3,717	.0177	66	4.56
	101,870		3,294	$227.60

Cost per Gallon Applied, $0.06908

Average Cost per square yard, $0.0022

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SIXTH CAR OF DUSTOLINE

Third Application, August 15, 16, 31 and October 22, 1912

Street or Avenue.	Sq. Yds.	Average Gal. per Sq. Yd.	Gals. Used	Total Cost
Washington Square	4,333	.0419	182	$12.57
Marlborough Street	2,272	.0419	95	6.56
West Marlborough Street	2,123	.0419	89	6.15
Catherine Street, Rhode Island Avenue to Gibbs Avenue	2,256	.0336	76	5.25
Bellevue Avenue, East Bowery Street to Webster Street	7,891	.0366	289	19.97
Bath Road, Bellevue Avenue to Pavilion	13,664	.0390	534	36.89
Broadway, Equality Park Place to Thurston Avenue	17,945	.0446	801	55.33
	50,484		2,066	$142.72

Cost per Gallon Applied, $0.06908

Average Cost per square yard, $0.0028

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SIXTH CAR OF DUSTOLINE

Fourth Application, August 15, and 31, 1912

Street or Avenue	Sq. Yds.	Average Gal. per Sq. Yd.	Gals. Used	Total Cost
Harrison Avenue	29,972	.0133	400	$27.63
Bellevue Avenue, Kay Street to East Bowery Street	7,961	.0307	245	16.93
	37,933		645	$44.56

Cost per Gallon Applied, $0.06908
Average Cost per Square Yard, $0.0011

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Quarry and Crusher

The lease of the quarry was renewed by the Honorable Board of Aldermen, under date of February 13th, 1912, for one year, beginning on the 16th day of March, A. D. 1912, and terminating on the 16th day of March, 1913.

Under date of November 11th, 1912, I sent a communication to the Honorable Board of Aldermen to the effect that I had been unsuccessful in obtaining lease of a quarry site, and I suggested to that Honorable Body that they might submit a proposition to the Representative Council, recommending the purchase of a piece of property suitable for quarry purposes, and that if it was the intent of the City to maintain a quarry, I would recommend that speedy action be taken in the matter, so that the plant could be properly installed during the winter months, to enable this department to commence production in the early Spring, also, that an appropriation would be necessary for this purpose. The communication was referred to and received by your Honorable Body on November 20th, 1912.

It is very important that some action be taken in the matter because the production of the present quarry is exhausted, and in accordance with a provision in the said lease, all buildings, machinery, etc., belonging to the City, must be removed within one month from the expiration of lease, which expires on the 16th day of March, A. D. 1913.

The quarrying and crushing of stone commenced on the 19th day of March and continued until the 31st day of August, when the plant was shut down because of lack of funds in the appropriation for Street Repairs, said appropriation being considerably reduced this year.

The amount of stone quarried and crushed during the season was as follows, viz : Ledge Stone, 516 tons ; Crushed Stone, 6,018 tons ; making a total production of 6,534 tons.

The cost of quarrying stone this year was 75c. per ton : Crushed Stone, $1.159 per ton.

Statement of Stone Quarried and Crushed during the year 1912

	Ledge Stone	Crushed Stone
Anthony Street	5	15
Ashhurst Place	7	43
Ayrault Street		321
Bath Road		87
Bedlow Avenue Bridge	4	
Bellevue Avenue		255
Broadway		173

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	Ledge Stone	Crushed Stone
Broadway Pavement		84
Broadway Sidewalk at Equality Park		20
Broadway Sidewalk front of St. Joseph's Church		17
Bridge Street		213
Carroll Avenue		22
Calvert Street		99
Clinton Street		2
Church Street		132
Cross Street		108
County Street		287
Dennison Street		53
Easton's Beach Road		132
Green Street		45
Harrison Avenue		327
John Street		11
LaSalle Place	3	
Lucas Avenue	20	43
Malbone Road	34	50
Marchant Street		49
Narragansett Avenue		114
Mary Street		84
Ocean Avenue		424
Ochre Point Avenue		119
Park Place		11
Pelham Street		24
Ridge Road		36
Scales, Installing, City Wharf	3	
Second Street		21
Sewers, General Repairs		6
Sewer, Coddington Wharf	2	3
Spring Street Pavement		84
Sheffield Avenue		214
Slocum Street	19	
Sea Wall, Ocean Avenue	414	
Sidewalks, General Repairs		36
Streets, General Repairs	5	679
Thames Street Pavement		2
Thames Street (Upper)		4
Touro Street		2
Third Street		27
Washington Square		16
Wellington Avenue		802
Webster Street		59

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	Ledge Stone	Crushed Stone
West Broadway		72
West Pelham Street		30
On hand, City Yard		10
On hand, City Crusher		558
	516	6,025
On hand, City Yard, December 15th, 1911		7
From Crusher during the year 1912		5,460
On hand City Crusher, December 14th, 1912		558
		6,025

Steam Road Rollers

The work of resurfacing and remacadamizing of streets commenced on the 4th day of April and continued until the 21st day of September, when the rollers were housed for the winter. The rollers were retired somewhat earlier this year, owing to the lack of funds to continue the work.

I would recommend that a small roller be purchased next year, say, a 5-Ton Tandem roller. My reason for making this recommendation is based upon the fact that we will be obliged to take a new departure in the line of roadbuilding, both in new construction and repairs, by using asphalt or its equal, for the purpose of binding the macadam to resist the large amount of automobile traffic, which wears out our straight macadam in a very short time, and consequently increases the cost of maintenance of our roadbeds.

Our 15 ton rollers, which weigh nearly 18 ton when they are loaded ready for work, are just what we need for preparing the foundation for asphalt macadam, but they are too heavy for the top finish.

If a small roller is purchased, it is my intention that the one engineer operate both rollers, alternately, as a piece of work progresses. We could also use a small roller for repairs to the bitulithic pavements to better advantage. I earnestly hope you will favorably consider this recommendation.

Permanent Pavements

Repairs have been made this year to both bitulithic pavements of Broadway and Spring Street, the expense of which was $1,755.54.

Both street railway companies reimbursed the department for the cost of repairing that part of the pavement that they maintain, according to their franchise; and which amounts were deposited with the City Treasurer to the credit of the appropriation for Street Repairs.

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Bellevue Avenue Asphalt Macadam

When the Committee of Twenty-five deducted $7,000.00 from the appropriation for Street Repairs for a new roadbed on lower Bellevue Avenue, they did not realize that they would surely deprive me of funds necessary for the maintenance of our 91 miles of streets, 115 miles of sidewalks, 55 miles of gutters, 58 miles of curb and thousands of crossings and driveways, etc. However, we have an excellent roadbed on Bellevue Avenue from Wheatland Avenue to a point near Webster Street.

The work was commenced on the 5th day of June and was completed on the 19th day of July, at an expense of $6,468.08.

Appropriation, $7,000.00; leaving an unexpended balance of $531.92.

Total length of new roadbed is 4,955 feet, containing 15,743 square yards, making an average cost per square yard of about 41 cents. This is much more work than was anticipated for the sum appropriated, as we expected to go no further than Ruggles Avenue.

Being somewhat disappointed in the results we had obtained by the use of Tarvia as a road binder, I thought it would be wise for the best interests of the City, to endeavor to procure a material of more durability, and after going into the matter to considerable extent, I finally found a highly recommended product called "Pioneer Road Asphalt," which had been used very extensively in the west, giving excellent satisfaction. I was impressed with the results obtained elsewhere, so decided to give the material a trial in the construction of the Bellevue Avenue roadbed.

The producers of "Pioneer Road Asphalt" are the American Asphaltum & Rubber Company, of Chicago, Ill., with whom I contracted to furnish this material to the department, at the rate of Ten and one-half cents per gallon, gross weight, f. o. b. Newport, R. I. The Company kindly loaned us the use of an Asphalt Heater free of charge, with the exception of payment of freight both ways.

Before starting the work, and without any solicitation on my part, both Mr. John F. Sullivan and The Diamond Hill Stone Company asked for an opportunity to submit prices for furnishing crushed stone for this new roadbed. I complied with their request, and they submitted the following bids: Mr. John F. Sullivan, $1.50 per ton, delivered upon the work; The Diamond Hill Stone Company, $1.35 per ton, delivered at the railroad depot in car load lots. To the latter price I would have to add the cost of delivery, which, according to contract would be 65 cents per ton, and would bring the net price to $2.00 per ton delivered on the work, or equivalent to the cost to the City for the stone crushed at the quarry and delivered under contract. Mr. John F. Sullivan's bid being the lowest, I accepted it, and with quite a

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saving to the City. Mr. Sullivan furnished 2,064 tons of crushed stone for the building of this piece of roadbed, which being 50 cents per ton less than the other bidder or that produced at the City Quarry, made a saving of $1,032.00.

I started the work with two of the City Rollers and found something was wrong with the first section of the roadbed laid ; about this time, the expert who was sent by the company furnishing the asphalt, arrived, and after seeing the work I had done, he immediately ordered me to procure a smaller roller because the large rollers were ruining the work. I informed him that I had no money to buy or hire a small roller, but he said it made no difference, I had to have one, so I thought the best man to borrow one from, was myself. I furnished the use of the roller without any expense to the City, except the labor of the man who operated it, and fuel used.

In another part of the report, I recommend the purchase of a 5-ton Tandem Roller, which I hope will be favorably acted upon.

The detail cost of the work is as follows, viz :

Labor as per pay-rolls	$953 83
Labor, Engineer of small roller	66 00
18,915 gallons "Pioneer Road Asphalt'	1,986 08
2,064 tons crushed stone, delivered	3,096 47
Fuel	106 26
Lumber	2 40
New Tools	14 85
Tool repairs	90
Kerosene	4 50
Freight on heater, both ways	45 40
Roller account	146 99
Stable account	44 40
	$6,468 08

Streets Re-Macadamized

The following streets were re-macadamized, viz.: Anthony Street; Bridge Street, from Thames to Third Street; Cross Street and Lucas Avenue.

Streets Re-Surfaced

The following streets were re-surfaced, viz.: Ayrault Street, from Broadway to Kay Street; Bath Road, from Gibbs Avenue to foot of hill; Calvert Street; Dennison Street; Green Street; Ochre Point Avenue, from Leroy Avenue to Narragansett Avenue, and West Pelham Street.

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Streets Repaired and Rolled

The following streets were repaired and rolled, viz.: Ayrault Street, from Kay Street east; Bellevue Avenue, from LeRoy Avenue north; Bath Road, from Gibbs Avenue west; Broadway from Equality Park Place north; Broadway at Court House; Church Street; Easton's Beach Road; Harrison Avenue; John Street; Marchant Street; Malbone Avenue, from Van Zandt Avenue to Channing Street; Mary Street; Narragansett Avenue, from Ochre Point Avenue to Bellevue Avenue; Ocean Avenue; Park Place; Pelham Street; from Thames Street to Spring Street; Ridge Road; Second Street, Third Street; Washington Street, from Long Wharf north; Webster Street, from Spring Street to Bellevue Avenue; Wellington Avenue, from Thames Street west; and West Broadway, from Marlborough Street to Collins Street.

Streets Macadamized (New Work)

Ashhurst Place; County Street; Sheffield Avenue, from Hall Avenue east; Wellington Avenue, from Hallidon Avenue east.

Full statistics will be found in another part of this report.

Albro Street Sewer

An 8-inch sewer was laid in Albro Street, from Van Zandt Avenue south, for a distance of 264 feet, at an expense of $174.92.

Appropriation $275.00; Balance $100.08.

Anthony Avenue Sewer

A sewer was laid in Anthony Avenue to connect with the Bliss Road sewer, which is part of the Second Ward Sewerage System; Length, 127 feet of 8-inch pipe.

Appropriation $150.00; expenditure $109.87; balance $40.13.

Coddington Wharf Sewer

The Coddington Wharf sewer was repaired and extended into the harbor for a distance of 96 feet, with 10-inch extra heavy iron pipe.

Appropriation $225.00; expenditure $173.82; balance $51.18.

Princeton Street Sewer

An 8-inch pipe was laid in Princeton Street, from Broadway east, for a distance of 366 feet.

Appropriation $550.00; expenditure $476.79; balance $73.21.

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Whitwell Avenue Sewer

The sewer in Whitwell Avenue was extended this year to Peckham Avenue, a distance of 300 feet, 8-inch pipe. This sewer is also a part of the Second Ward Sewerage System.

Appropriation $175.00; expenditure $150.21; balance $24.79.

Second Ward Sewerage System

CONSTRUCTION

The electric pumps being in perfect running order at the expiration of six months from date of installation, the contractors, Messrs. Scannevin and Potter, were paid the balance retained by the city as per agreement, amounting to $549.40.

Maintenance

Repairs have been made to some of the sewers connected with this system, and we now have about all the leaks under control, so that the cost of electric power has been reduced from $162.63 to about $26.00 per month. Of course every new connection which enters this system will increase the cost of maintenance, making it almost impossible to exactly estimate the expense for electric power in any one year. Average cost per month for electric power this year, $63.60.

The electric pumps receive daily attention from Chief Foreman Burdick, and the cost of maintenance, other than the electric power, is limited to a very small amount.

Appropriation $1,500.00; expenditure $897.32; balance $602.68.

Ashhurst Place

(Unfinished Work)

In accordance with my recommendation, an appropriation was made this year to complete the improvements to Ashhurst Place, which was curbed and macadamized.

Appropriation $1,200.00; expenditure $917.97; balance $282.03.

Ocean Avenue Sea Wall

(Unfinished Work)

The Sea Wall, Ocean Avenue, was again extended this fall for a distance of 528 feet. The wall is now completed.

Appropriation, $2,000.00; expenditure, $1,897.93; balance, $102.07.

For the past three years an appropriation has been made to build this wall from Graves Point east, for the purpose of protecting the roadbed of Ocean Avenue from being washed away by the action of

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the heavy surf at high tide, during stormy weather. The total length of the wall built is 1,586 feet, and it not only affords a protection to the roadbed, but makes a very fine improvement to that part of the Ocean Drive. The total cost for building this sea wall was $5,918.05.

Within two or three years, the sea wall near Kennedy's, which was built in 1908-9, should be extended westerly, as I find that the high tides at this point are wearing away the shore. This wall received some repairs this year, the expense of which was $83.32.

The sea wall opposite Mr. T. M. Davis' estate was also repaired during the season at a cost of $287.56.

Wellington Avenue wall was repaired at an expense of $104.93.

Sheffield Avenue
(Unfinished Work)

The completion of the turnpiking and macadamizing of the roadbed of Sheffield Avenue was made possible this year by an appropriation for same.

Appropriation $600.00; expenditure $579.06; balance $20.94.

Malbone Road

The west side of Malbone Road, between Channing Street and Van Zandt Avenue, received a curb and gutter.

Appropriation $700.00; expenditure $630.37; balance $69.63.

Sea Wall, Cliff Walk Foot of Webster Street

Last year I reported to your Honorable Body that the sea wall, Cliff Walk, at the extreme west end of Webster street, was in dangerous condition, and in compliance with my recommendation, an appropriation was made to make the necessary repairs.

It was a piece of work that was very difficult to estimate because we could not tell how much would have to be done after the old wall was cleared away. However, we were very fortunate, as we found a good shelf of solid rock about 8 feet from the top, when we expected to be obliged to start the wall from the shore line, a saving of from 10 to 12 feet in height, thereby practically cutting the cost in half.

Appropriation $1,500.00; expenditure $762.95; balance $737.05.

Wellington Avenue

Wellington Avenue, from Halidon Avenue east, was macadamized for a distance of 610 feet. With the widening of the Avenue at this point completes a very enjoyable boulevard along the harbor front.

Appropriation $2,000.00; expenditure $1,970.21; balance $29.79.

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LaSalle Place

A curb and gutter was laid on the west side of La Salle Place.
Appropriation $730.00; expenditure $619.04, balance $110.96.

Anthony Street

Anthony Street was improved with a curb and gutter laid on the west side of the street, and the roadbed was re-macadamized.

Appropriation $750.00; expenditure $722.74; Balance $27.26.

County Street

The roadbed of County Street was turnpiked and macadamized, and the sidewalks were shaped up. This is one of the new streets laid out through the Stanton Plat, off of Broadway.

Appropriation $950.00, expenditure $902.06; balance $47.94.

Slocum Street

The appropriation originally made for the improvement to Slocum Street was to lay a curb and gutter on the west and south side of the street, but, at a meeting of the Representative Council held March 7, a resolution was passed to lay a curb and gutter on the east side of said street, providing a balance was available. Although it was quite a proposition to put up to the department, we managed to complete the work as amended.

Appropriation $2,000.00; expenditure $1,996.85; balance $3.15.

Lucas Avenue

A granite curb and gutter was laid on both sides and the roadbed of Lucas Avenue was macadamized.

Appropriation $3,025.00; expenditure $2,462.72. balance $562.28.

Bush Street

Bush Street, recently opened up through the Bush estate, between Mann Avenue and Ayrault Street, was turnpiked, and driveways were built at both ends.

Appropriation $275.00; expenditure $129.07; balance $145.93.

Clinton Street

Considerable was saved in the cost of grading Clinton Street by the Newport Water Works furnishing many loads of dirt, free gratis, and also by the surplus dirt from the Lucas Avenue improvement.

Appropriation $500.00; expenditure $187.38; balance $312,62.

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Bridge Repairs

Van Zandt Avenue Bridge

The iron work under this bridge was thoroughly cleaned of rust and painted with a priming coat by employees of this department, which, including other minor repairs, amounted to an expense of $271.97.

The walks on both sides of this bridge should be replanked next year to make it safe for public travel, and the iron work should also receive another coat of paint.

This bridge will need a thorough repairing in the near future.

The repairs to other bridges were as follows, viz.:

Bedlow Avenue bridge	$57 95
Green bridge, Ocean Avenue	8 63
Girard Avenue bridge	6 78

Easton's Beach

Part of the old asphalt sidewalk at Easton's Beach, from the Cliff Walk east, was in a very dangerous condition for public travel, and to avoid any accident that might happen whereby the city would be liable for damages, I rebuilt this walk with granolithic for a distance of 366 feet, at an expense of $412 97.

As in former years, a man was kept in this locality to clean the roadbeds, mow the grass plats, etc.

Forty Steps

The Forty Steps were painted at a cost of $38.85. The improvements made at this place last fall have been greatly enjoyed by the public during the past summer.

Appropriation $50.00; balance $11.15.

City Piers

Ann Street Pier

This pier was repaired under contract with the Newport Shipyard, at a cost of $160.00. Other minor repairs were made at an expense of $27.00. Total cost, $187.00.

Elm Street Pier

Repairs were made to this pier by the Burbidge Company at an expense of $59.97; supplies 60c.; total cost $60.57.

Van Zandt Avenue Pier

After giving this pier a more thorough examination, I found that the amount appropriated, $1,000.00, would not be sufficient because

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this pier should be renewed entirely. I would recommend that an appropriation be made next year to replace this pier, which is used considerable by the public during the summer season. Repairs were made amounting to $38.50.

City Fountains

A man has occasionally, throughout the year, cleaned the animal drinking fountains, also placed sulphur in the bowls to purify the water. The following fountains have been repaired, viz.:

Bailey's Beach,
Broadway, near Soldiers and Sailors' Monument,
Market Square,
Thames Street, opposite Wellington Avenue,
Touro Park West,
Washington Square,
West Broadway.

Mr. J. K. Sullivan was reimbursed for the installing of the fountain on Washington Square last year, amounting to $114.82, and a lantern was placed on same by Mr. P. F. Conroy at a cost of $90.00, in accordance with agreement of acceptance of the fountain by the city from the National Humane Alliance of New York.

No location has yet been designated for the fountain removed from this locality.

Total appropriation for fountains $504.82; paid Mr. J. K. Sullivan $114.82, and Mr. P. F. Conroy $90.00 for lantern; total for Washington Square fountain $204.82; cleaning $29.47; repairs $65.31. Total expenditure for fountains $299.60; balance $205.22.

Tree Preservation

The State of Rhode Island this year furnished a man, apparatus and the material, and this department furnished a man and a horse, for the spraying of the trees on the highways of the city to exterminate the Elm Beetle and Tussock Moth. Cost of spraying this season was $94.16; trimming and removing trees $479.04; total cost $573.20.

Appropriation $600.00; leaving a balance of $26.80.

The following trees were trimmed and removed, viz.:

Trees Removed:	Trees Trimmed:
Berkeley Avenue,	Clinton Avenue,
Cottage Street,	Cottage Street,
Elm Street,	Dearborn Street,
Lee Aveuue,	Farewell Street,
Third Street,	Friendship Street,
West Street.	Gould Street,
	Park Street.

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City Floats

The City Floats at Long Wharf were taken up and thoroughly scraped and repainted at an expense of $50.00. This being the appropriation, there was no balance.

City Brows

The following City Brows were repaired, viz.:

Elm Street	$84 54
Poplar Street	45 93
Willow Street	17 85
Total	$148 32

Appropriation, $150.00; leaving a balance of $1.68.

Broadway Granolithic Sidewalk

In accordance with the resolution passed by your Honorable Body on the 18th day of November, this department laid a granolithic sidewalk on the east side of Broadway, in front of the St. Joseph's Church.

It was rather late in the season to lay granolithic with good results, but by taking advantage of the best days possible, and with a large force of mechanics and laborers, we were able to accomplish a very satisfactory result.

Although we were unfortunate in having a very heavy rain storm just as the sidewalk was nearly completed, by working the men all night, they were able to save the granolithic.

Because of the lateness of the season, and the extra work required after the rain storm, the cost of performing the work was considerably increased.

Appropriation $500.00; expenditure $454.58; balance $45.42.

Sewer Permits

During the year, 112 permits to connect with sewers were issued, making a total to date of 3,841 since the system was adopted in 1884.

The number and description of fixtures connected were as follows, viz :

	Previously reported	1912	Total
Water closets	3,840	131	3,971
Laundry tubs	1,953	145	2,098
Sinks	4,557	118	4,675
Bath tubs	1,831	88	1,919
Cellar drains	1,655	61	1,716

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	Previously reported	1912	Total
Bowls	628	86	714
Land drains	113	2	115
Roofs	864	62	926
Furnace pits	4	0	4
Stable fixtures	59	5	64
Families accommodated	4,544	122	4,666
Persons accommodated	6,419	366	6,785

New Sewers

Special sewers :

Albro Street	264 ft. of 8-in. Vit. pipe
Anthony Avenue	127 ft. of 8-in. Vit. pipe
Coddington Wharf (extend)	96 ft. of 10-in. C. I. pipe
Princeton Street	366 ft. of 8-in. Vit. pipe
Whitwell Avenue	300 ft. of 8-in. Vit. pipe

Emergency sewers :

Bush Street	128 ft. of 8-in. Vit. pipe
Houston Avenue (extend)	100 ft. of 8-in. Vit. pipe
Old Fort Road (extend)	46 ft. of 8-in. Vit. pipe
Peckham Ave. Russell Ave., east	205 ft. of 8-in. Vit. pipe
Vaughan Avenue (extend)	40 ft. of 8-in. Vit. pipe
West Street from Perry Street, north	44 ft. of 8-in. Vit. pipe

Catch Basins Built

Clinton Street, corner West Narragansett Avenue,
Harrison Avenue, at Stuart Duncan's,
Coggeshall Avenue, opposite A. T. Anthony's.

Eye-Holes Built

Clinton Street, at West Narragansett Avenue	2
Harrison Avenue, opposite Stuart Duncan's	1
Gidley Street, at Anthony Building	1

Sewers Repaired

Ann Street Pier overflow,
Briggs Wharf storm overflow,
Broadway at Court House Street,
Bliss Road,
East Bowery Street,
Eustis Avenue,

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Fair Street,
Grafton Street,
Gidley Street,
Harrington Street
Mill Street,
Mt. Vernon Street,
Marchant Street
Market Square,
Spring Street at Pope Street,
Sherman Street,
Stone Street at Broadway,
Taber Street,
Thames Street at Webster Street,
Touro Street at Kay Street,
West Broadway,
Welch's lot off Malbone Road,
Young Street.

Culverts Repaired

Carroll Avenue at Harrison Avenue,
Carroll Avenue at Bateman Avenue,
Coggeshall Avenue at Maher Court,
Eustis Avenue,
Harrison Avenue,
Ocean Avenue.

Catch Basins Repaired

Bacheller Street,
Bateman Avenue at Vanderbilt's,
Broadway at Malbone Road,
Broadway at Cranston Avenue,
Catherine Street at Gibbs Avenue,
Dean Avenue,
Farewell Street at Walnut Street,
Kay Street at Everett Street,
Marsh Street opposite Third Street,
Mt. Vernon Street at Bull Street,
Pelham Street at Thames Street,
Touro Street at Mt. Vernon Street,
Warner Street at Gould Street,
West Pelham Street,
William Street at Thomas Street.

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Eye-Holes Repaired

Bath Road at Cliff Avenue,
Bath Road at Cliff Walk,
Catherine Street at Gibbs Avenue,
Cross Street opposite Elm Street,
Cranston Avenue,
Connection Street,
Extension Street,
Gibbs Avenue at Kay Street,
Walnut Street at Third Street,
Wellington Avenue opposite Roseneath Avenue,
William Street at Thomas Street.

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PERMITS FOR STREET AND SIDEWALK OPENINGS, ETC.

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Totals
Laying gas services				1	1	2	2			8	2	2	18
Laying gas mains				2	1		1	2			1		7
Extending gas mains							2						2
Repairing gas mains	1										1		2
Repairing gas services			2				3			2	1		8
Placing gas lamps											2		2
Electric conduits			1	2	2	1		1			2	2	11
Connecting waste from electric conduits,				4	1								5
Electric light repairs			1	1									2
Telephone conduits				1				1					2
Repairing street railway track							1	2	1	1			5
New Sewers					1								1
Clearing drains	1	3	3			1	2	1			1	1	13
Repairing and relaying sewers					5		1			1	1		8
Repairing city water shut-off								1					1
Inspecting connection of catch basin									1				1
Gutter bridge						1		1	1				3
Laying granolithic sidewalks								1	1	1	1		4
Sidewalk lights											1		1
Use of sidewalk for building	2			3				4	2	2	3		16
Laying driveways									1				1
Removing dead tree										1			1
Fire Alarm					2								2
	4	3	7	14	13	5	12	14	7	16	16	5	116

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STREETS MACADAMIZED (NEW WORK)

Street or Avenue	Tons Cr. Stone	Days Steam Roller	Av. Depth Work	Length Feet	Width Feet	Sq. Yds.	Cost per Sq. Yd.	Cost Macadam	Cost Turnpike	Total Cost
Ashhurst Place	43	6	4 in.	230	14	460	.366	$168.45		$168.45
County Street	287	17	7 in.	472	22	1,154	.655	756.47	$145.59	902.06
Sheffield Avenue, part of	214	10	8 in.	372	21	868	.667	579.06		579.06
Wellington Avenue from Halidon Avenue east	775	38	12 in.	610	45	3,050	.646	1,970.21		1,970.21
	1,319	71		1,684		5,532		$3,474.19	$145.59	$3,619.78

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STREETS RE-MACADAMIZED

Street or Avenue	Tons Crushed Stone	Days Steam Roller	Av. Depth Work	Length Feet	Width Feet	Sq. Yds.	Cost per Sq. Yd.	Total Cost
Bridge Street, from Thames to Third Street	213	19	4 in.	1,420	18	2,840	.248	$704.29
Cross Street	108	5	6 in.	427	14	664	.447	296.73
Lucas Avenue	43	7	3 in.	568	15	946	.168	159.74
	364	31		2,415		4,450		$1,160.76

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STREETS RE-SURFACED AND ROLLED

Street or Avenue	Tons Crushed Stone	Days Steam Roller	Length Feet	Width Feet	Sq. Yds.	Cost per Sq. Yd.	Total Cost
Anthony Street	15	5	354	15	590	.173	$102.05
Ayrault Street, from Broadway to Kay Street	299	18	975	21	2,275	.375	853.25
Bath Road, from Cliff Walk east	75	6	700	18	1,400	.154	215.89
Calvert Street	99	9	879	17	1,660	.199	330.14
Dennison Street	53	6	467	11	570	.335	190.88
Green Street	81	3½	494	11	604	.229	138.25
Ochre Point Avenue	119	5	900	20	2,000	.149	297.93
West Pelham Street	30	3½	300	18	600	.176	105.42
	771	56	5,069		9,699		$2,233.81

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Crossings Relaid

Bath Road at Cliff Avenue	27 ft. x 6 ft.
Bath Road at Gibbs Avenue	37 ft. x 6 ft.
Bellevue Avenue at Victoria Avenue	38 ft. x 9 ft.
Bellevue Avenue at Shepard Avenue	24 ft. x 12 ft.
Broadway at Bay View Avenue	30 ft. x 4 ft.
Broadway at Newport Avenue	27 ft. x 4 ft.
Everett Street at Broadway	15 ft. x 8 ft.
Kay Street at Rhode Island Avenue	42 ft. x 11 ft.
Kay Street at Cranston Avenue	24 ft. x 7 ft,
Old Beach Road at Greenough Place	21 ft. x 7 ft.
West Marlborough Street at Fire Department	20 ft. x 6 ft.
Whittier Avenue at Thames Street	14 ft. x 5 ft.

New Driveways Paved

Granite Blocks :

Bush Street at Mann Avenue	20 ft. x 3 ft.
Bush Street at Ayrault Street	20 ft. x 3 ft.
Lucas Avenue at "Brown's"	16 ft. x 2 ft.
Malbone Road at "Armstrong's"	25 ft. x 2 ft.
Slocum Street at "Dr. Horseman's"	13 ft. 5 in. x 2 ft.

Driveways Relaid

Bellevue Avenue at "Wetmore's."
Bellevue Avenue at "Fanchild's."
Powel Avenue at "Burdick's."
Prospect Hill Street at No. 8 Engine House.

New Granite Gutters

Ashhurst Place	478 ft. x 2 ft.
Anthony Street	325 ft. x 2 ft.
Clinton Street	15 ft. x 2 ft.
La Salle Place, south side	329 ft. 6 in. x 2 ft.
Lucas Avenue	1,135 ft. x 2 ft.
Malbone Road	337 ft. x 2 ft.
Slocum Street	1,064 ft. x 2 ft.

Gutters Repaved

Granite Blocks :

Bellevue Avenue at Casino	250 ft. x 4 ft.
Bellevue Avenue at "Burden's"	105 ft. x 2 ft.
Bellevue Avenue at "Well's"	305 ft. x 2 ft.
Bellevue Avenue at "Thomas'"	175 ft. x 2 ft.

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Levin Street near Thomas Street	30 ft. x 2 ft.
Ocean Avenue at "Agassiz's"	475 ft. x 3 ft.
Prescott Hall Road	300 ft. x 2 ft.

Asphalt Blocks:

Bateman Avenue	18 ft. x 2 ft. 6 in.

Cobble stone:

Ayrault Street	100 ft. x 2 ft.
Bath Road, Gibbs Avenue east	350 ft. x 2 ft.
Bellevue Avenue at Gordon Street	38 ft. x 4 ft.
Bellevue Avenue, Webster Street to Narragansett Avenue	458 ft. x 2 ft.
Bellevue Avenue at Wetmore's estate	90 ft. x 2 ft.
Bellevue Avenue at "Cushing's"	32 ft. x 3 ft.
Bellevue Avenue at "Whiting's"	95 ft. x 2 ft.
Bellevue Avenue at "Andrews'"	100 ft. x 2 ft.
Bellevue Avenue, Wheatland Avenue north, east side	2,439 ft. x 2 ft.
Bellevue Avenue, Wheatland Avenue north, west side	1,550 ft. x 2 ft.
Broadway at Cranston Avenue	150 ft. x 2 ft.
Broadway at Newport Avenue	50 ft. x 2 ft.
Broadway at Bay View Avenue	100 ft. x 2 ft.
Bull Street, south side	600 ft. x 2 ft.
Bull Street, north side	250 ft. x 2 ft.
Calvert Street	300 ft. x 3 ft.
Catherine Street, Gibbs Avenue west	100 ft. x 4 ft.
Catherine Street, Gibbs Avenue east	390 ft. x 4 ft.
Catherine Street	30 ft. x 3 ft.
Champlin Street, Gibbs Avenue east	800 ft. x 3 ft. 6 in.
Cranston Avenue at Ashhurst Place	40 ft. x 4 ft.
Charles Street	75 ft. x 2 ft.
Dennison Street	908 ft. x 2 ft.
Levin Street	52 ft. x 2 ft.
Middleton Avenue at Slocum Street	73 ft. x 4 ft.
Kay Street at Cranston Avenue	45 ft. x 2 ft.

Bluestone and Cobble:

Bellevue Avenue at Morse estate	80 ft. x 2 ft.
Bellevue Avenue at "Gammell's"	250 ft. x 2 ft.
Bellevue Avenue near Bancroft Avenue	1,020 ft. x 2 ft.

New Granite Curb

Anthony Street, west side	325 ft.
Ashhurst Place	498 ft. 3 in.

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Clinton Street at Catch Basin	11 ft.
La Salle Place, south side	329 ft. 6 in.
Lucas Avenue	1,131 ft.
Malbone Road	297 ft. 8 in.
Slocum Street	1,050 ft. 6 in.
	3,642 ft, 11 in.

New Corners Turned with Old Bluestone

Annandale Road at Narragansett Avenue	16 ft.
Annandale Road at Parker Avenue	32 ft.

Curbs Re-Set

Granite :

Bateman Avenue at Vanderbilt's	16 ft.
Bellevue Avenue at Wells' estate	305 ft.
Roseneath Avenue, opposite Narragansett Ave.	62 ft.
Thames Street at Century Store	46 ft.
West Extension Street	20 ft.
	449 ft.

Bluestone :

Ayrault Street near Bush Street	10 ft.
Bath Road, Cliff Walk east	100 ft.
Bay View Avenue at Broadway	100 ft.
Bellevue Avenue, Parker Avenue south	4,024 ft.
Broadway at Cranston Avenue	100 ft.
Bull Street	300 ft.
Dennison Street	228 ft.
Kay Street at Cranston Avenue	27 ft.
Malbone Road at Channing Street	116 ft.
Newport Avenue at Broadway	50 ft.
	5,055 ft.

Streets Patched

Ann Street, Annandale Road, Atlantic Street, Ayrault Street, Barney Street, Bateman Avenue, Bath Road, Bedlow Avenue, Bliss Road, Bliss Mine Road, Brandt Street, Bridge Street, Briggs Wharf, Broadway, Broadway Pavement, Broadway at One Mile Corner, Brinley Street, Burnside Avenue, Butler Street, Calvert Street, Carroll Avenue, Catherine Street, Champlin Street, Channing Street, Chastellux Avenue, Church Street, City Wharf, Cliff Avenue, Coggeshal Avenue, Collins Street, Congdon Avenue, Connection Street, Cottage

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Street, Cranston Avenue, Dean Avenue, Dearborn Street, Dixon Street, Dresser Street, East Bowery Street, Eastnor Road, Easton Beach Road, Elm Street, Farewell Street, Frank Street, Franklin Street, Gardiner Street, Garfield Street, Gibbs Avenue, Girard Avenue, Gould Street, Green Street, Hall Avenue, Halsey Street, Halidon Avenue, Harrison Avenue. Homer Street, Howard Street, Hunter Avenue, Jeffery Road, Kay Street, Kay Street Boulevard, Lawrence Avenue, Ledge Road, Lee Avenue, Levin Street, Lucas Avenue, Malbone Road, Marchant Street, Mann Avenue, Marine Avenue at Bellevue Avenue, Market Square, Marsh Street, Mary Street, Mill Street, Morton Avenue, Mt. Vernon Street, Narragansett Avenue, Oak Street, Ocean Avenue, Ochre Point Avenue, Old Beach Road, Pelham Street, Perry Street, Pleasant Street, Pond Avenue, Pope Street, Poplar Street, Potter Street, Powel Avenue, Prescott Hall Road, Prospect Hill Street, Rhode Island Avenue, Roseneath Avenue, Rousemainere Place, Ruggles Avenue, Second Street, Sherman Street, South Baptist Street, Spring Street Pavement, Spring Street Pavement at Levin Street, Spruce Street, Summer Street, Upper Thames Street, Third Street, Tilley Avenue, Touro Street, Van Zandt Avenue, Walnut Street at Farewell Street, Washington Square, Washington Street, Water Works Road, Warner Street, Webster Street, Wellington Avenue, West Broadway, West Pelham Street, Wheatland Avenue, Whitfield Court, Young Street, Vicksburg Place.

Streets Turnpiked

Bush Street	300 ft. x 15 ft.	500 Sq. Yds.
County Street	472 ft. x 22 ft.	1,154 Sq. Yds.
Clinton Street	640 ft. x 26 ft.	1,849 Sq. Yds.
Sheffield Avenue	372 ft. x 21 ft.	868 Sq. Yds.
	1,784 ft.	4,371 Sq. Yds.

Sidewalks Repaired

Granolithic :

Bath Road at Easton'sBeach	366 ft. x 6 ft.	6 in.
Broadway at Equality Park	217 ft. x 10 ft.	
Broadway at Newport Avenue	5 ft. x 6 ft.	
Broadway at Bay View Avenue	10 ft. x 6 ft.	
Broadway at St. Joseph's Church	100 ft. x 10 ft.	5 in.
Broadway at St. Joseph's Church	59 ft. x 9 ft.	8 in.

Flagstone :

Bull Street	50 ft. x 7 ft
Calvert Street	250 ft. x 2 ft.

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Brick :

Bull Street	50 ft. x 8 ft.
Bellevue Avenue at King estate	380 ft. x 10 ft.
Bowery Street	25 ft. x 8 ft.

Ashes :

Cottage Street	240 ft. x 9 ft.
Equality Park Place	66 ft. x 8 ft. 6 in.
Harrison Avenue	400 ft. x 5 ft.
La Salle Place	328 ft. x 3 ft. 10 in.
Marsh Street	60 ft. x 5 ft.
Van Zandt Avenue	850 ft. x 6 ft.
Walnut Street	425 ft. x 5 ft.
West Marlborough Street	185 ft. x 6 ft.

Dirt :

Broadway	775 ft. x 10 ft.
County Street	728 ft. x 8 ft.
Dixon Street	60 ft. x 4 ft.
Dean Avenue	50 ft. x 5 ft.
Elm Street	80 ft. x 6 ft.
Extension Street	250 ft. x 3 ft.
Golden Hill Street	50 ft. x 4 ft.
Green Street	243 ft. x 5 ft.
Holland Street	100 ft. x 3 ft.
Levin Street	115 ft. x 4 ft.
Prospect Hill Street	180 ft. x 4 ft.
Thomas Street	40 ft. x 4 ft.
Webster Street	20 ft. x 4 ft.

Sidewalks Patched

Granolithic :

Long Wharf
Pope Street
Rhode Island Avenue
Sherman Street
Spring Street
Thames Street at "Seabury's"
Thames Street at West Howard Street

Ashes :

Marsh Street
Third Street
Van Zandt Avenue
Walnut Street
West Marlborough Street

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Brick :

Market Square.....
Mann Avenue.....
Thames Street at "Harrington's".....

Dirt :

Mill Street.....
Narragansett Avenue.....
Pond Avenue.....
Thomas Street.....
Webster Street.....
West Broadway.....

Flag :

Thames Street at "Clarke's"..... .....
Thames Street at Touro Street. .....
Thames Street at "Bailey's".....
Touro Street.....

Plank :

Whitfield Court.....

Sea Walls Built

Ocean Avenue.....	528 ft. x 6 ft. 7 in. x 2 ft. 8 in.
Webster Street at Cliff Walk.....	27 ft. x 9 ft. 3 in. x 6 ft. 27 ft. x 7 ft. x 3 ft. 6 in. 14 ft. 6 in. x 2 ft. x 2 ft. 14 ft. x 2 ft. 4 in. x 5 ft. 3 in.

Sea Walls Repaired

Ocean Avenue opp. "Kennedy's"..	10 ft. x 3 ft. x 4 ft.
Ocean Avenue opp. "T. M. Davis'"	236 ft. x 3 ft. of concrete footing
Wellington Avenue foot of Halidon Avenue.....	

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COMPARATIVE STATEMENT OF FUEL CONSUMED BY DEPARTMENT

	1910			1911			1912		
	Tons	Cds.	Cost	Tons	Cds.	Cost	Tons	Cds.	Cost
Cumberland Coal at $5.45							116		$632.23
Cumberland Coal at 5.25	149-1800		787.00						
Cumberland Coal at 5.20				173-1800		904.28			
Egg Coal at 7.00							82		574.00
Egg Coal at 6.87	109-1380		753.54						
Egg Coal at 6.85				121		628.85			
Stove Coal at 7 00							22		154.00
Stove Coal at 6.87	22-104		151.50	3		20.61			
Stove Coal at 6.85				23		157.55	3		20.55
Stove Coal at 6.80	3-1966		27.08						
Pine Wood at 9.75		26½	257.94		33-7	330.19		38-7	378.98
	285-1250	26½	$1977.06	320-1800	33-7	$2241.48	223	38-7	$1759.76

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DEPARTMENT OF HIGHWAYS AND BRIDGES

Forage Consumed at City Stable during the Municipal Year of 1912

Eleven Horses

	Jan. lbs.	Feb. lbs.	Mar. lbs.	Apr. lbs.	May lbs.	June lbs.	July lbs.	Aug. lbs.	Sept. lbs.	Oct. lbs.	Nov. lbs.	Dec. lbs.	Total lbs.	Total Tons.	Total Bu.	Total Cost
Hay.....	9810	8430	7045	12220	7010	8395	11087	5890	7505	6925	8425	6600	99342	49-1342		$1448.92
Oats.....	8000	3332	4800	4770	5208	3200	4800	4800	3200	6400	3619	4000	56129		1754-1	1062.20
Straw....	240	370	430	598	180	390	451	470	190	720	385		4424			51.64
Bran.....	100	100		100					100			100	500			7.95
Salt.....	20												20			.40
Corn				64									64			1.88
																$2572.99

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INVENTORY OF PROPERTY BELONGING TO THE DEPARTMENT OF HIGHWAYS AND BRIDGES

Office

1	Victor safe	$180 00	
1	Iron safe (City Yard office, Long Wharf)	25 00	
1	Iron safe (loaned License Commissioners)	140 00	
1	Large steel filing case	150 00	
1	Small steel filing case	97 00	
1	Large fireproof cabinet	390 00	
	Furniture, clock, stoves, desk, copypress, etc	55 00	
1	Engineer's transit	250 00	
1	Set Engineer's drafting instruments	5 50	
1	Plummet lamp	5 00	
1	Exploding battery	25 00	
1	Engineer's level and rod	50 00	
			$1,372 50

Wharf and Stable

1	Standard scale	$295 00	
10	Horses	1,500 00	
3	Stone wagons	300 00	
4	Dump carts	80 00	
2	Two-horse steel dump carts	300 00	
2	Two-horse steel dump carts (old)	50 00	
3	One-horse steel dump carts	375 00	
1	Double gear	75 00	
1	Single gear	50 00	
1	Express wagon	50 00	
1	Street sweeper	10 00	
1	Two-horse roller	200 00	
8	One-horse watering carts	400 00	
9	Two-horse watering carts	900 00	
4	Sets double harness	150 00	
4	Sets cart harness	20 00	
4	Sets single wagon harness	20 00	
5	Waterproof covers	5 00	
10	Woolen blankets	10 00	
9	Baker Blankets	9 00	
9	Stable forks	4 50	
2	Wagon jacks	1 00	
3	Steam road rollers	9,000 00	
2	Stone trucks	20 00	

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1	Patrol wagon	$2 00
8	Iron wheelbarrows	80 00
2	Lawn mowers	5 00
1	Derrick, complete	150 00
1	Controlling nozzle and pipe	10 00
6	Spanner wrenches	2 50
7	Hydrant wrenches	7 00
2	Ship pumps and hose (50 ft)	75 00
52	Lanterns and globes	26 00
1	Gravel screen	6 00
1	Tree pruner	1 00
6	Ice picks	1 50
2	Cast iron stoves	25 00
4	Jack screws	8 00
1	Asphalt pot	3 00
2	Babbitt pots	2 00
2	Tar kettles on wheels	266 00
2	Claw hammers	.30
2	Machinist hammers	1 00
1	Asphalt repair plant and tools, complete	400 00
6	Asphalt maddocks	6 00
3	Three-inch augers	12 00
4	Small augers	2 00
1	Set bits	2 00
1	Breast drill	2 00
4	Crosscut saws	6 00
2	Bit stocks	4 00
8	Hand saws	4 00
1	Wood saw	1 00
1	Hack saw	1 00
4	Straight edges	4 00
2	Plows	25 00
2	Stone axes	3 00
20	Cutting tools	2 00
5	Hand drills	2 50
21	Iron bars	21 00
6	Tampers	6 00
3	Iron pounders	3 00
76	Iron pins	19 00
300	Lbs. steel	24 00
3	Striking hammers	4 50
11	Sledges	16 50
2	Anvils	7 50
2	Paving Pounders	2 00
19	Picks	9 50
4	Levels	2 00

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6	Trench braces	$18 00
3	Maddocks	1 50
3	Iron Rakes	2 25
2	Tape measures	1 00
1	Steel tape measure	7 50
24	Guard pins and ropes	4 80
2	Manhole guards	5 00
1	Hydrant valve	2 00
4	Tool boxes	10 00
3	Sets blocks and falls	15 00
10	Stilson wrenches	10 00
5	Monkey wrenches	2 50
2	Pair chain tongs	10 00
1	Bolt cutter	50
3	Bench vises	12 00
1	Flush tank	30 00
1	24-inch manhole cover and rim	9 50
10	Long handle shovels	10 00
12	Short handle shovels	9 00
1	Stone roller	25 00
7	Large axes	10 50
5	Ox chains	5 00
4	Spades	4 00
4	Scythes and blades	6 00
3	Squares	3 00
1	Trowel	50
10	Hoes	6 00
2	Pair oilskin pants	2 00
2	Suits oilskins	4 00
4	Pair rubber boots	20 00
6	Pipe wrenches	3 00
3	California pumps	4 50
2	Smoothing trowels	1 50
1	Pair trimming shears	4 50
2	Step ladders	2 00
1	Joiner (granolithic tool)	1 00
1	Emery wheel	5 00
1	Set wood chisels	10 00
3	Planes	6 25
2	Screw drivers	1 00
1	Set dies and tape	15 00
1	Bevel	1 00
1	Pipe cutter	1 00
1	Painter's torch	1 50
2	Sets stencils	3 00
1	Hatchet	50

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3	50-gallon oil cans	$12 00	
2	funnels	50	
2	½ gallon measures	1 00	
1	Blacksmith's portable forge	12 60	
1	Pair snips	2 00	
1	Set sewer cleaning rods and fittings	50 00	
6	Sewer brushes	73 00	
1	Soldering iron	1 50	
1	Ratchet drill and 16 drills	18 00	
2	Iron clamps	1 00	
1	Drawing knife	1 00	
1	Extension bit	1 25	
1	Norton jack (15 ton)	48 00	
1	Extension ladder (30 ft.)	3 00	
1	Ladder (18 ft.)	2 00	
1	Upright self-feeding drill and 14 drills	29 00	
3	Five-gallon oil cans	3 00	
			$15,650 45

Settling Tank

1	Centrifugal pump and fittings	$300 00	
1	Hoisting engine	300 00	
1	Boiler	365 00	
			$965 00

Quarry

1	Crusher engine and boiler	$4,500 00	
1	Fairbanks' scales	100 00	
1	Bellows	15 00	
2	Vises	10 00	
1	Anvil	7 00	
1	Chain fall	10 00	
1	Clock	3 50	
1	McKiernan steam drill and fittings	296 00	
			$4,941 50

Ocean Avenue

1	Steam boiler, pump and tanks	$500 00	
1	Windmill (pump at yard) formerly at Bailey's Beach	500 00	
			$1,000 00

Collins' Beach

1	Steam boiler, pump and tank		$500 00

Hazard's Beach

1	Steam boiler, pump and tank		$700 00

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Long Wharf

1 Steam boiler, pump and tank	$300 00

Second Ward Sewerage System

Pump house, tank, electric motors and pumps, etc	$7,500 00
	$32,929 45

STATEMENT OF CASH RECEIVED AND DEPOSITED WITH THE CITY TREASURER DURING THE MUNICIPAL YEAR OF 1912

General Fund		Highway Fund	
Wharfage	$223 89	Labor	$65 36
Weighing	221 60	Materials	54 26
Permits	111 50	Relaying roadbeds	455 00
Street Sweepings	489 00	Texas Oil Co. refund	5 79
Manure	31 50	Use of tar kettle	2 50
Empty barrels	46 85	Use of pump	91 00
Old stone	51 25	Donation, Dustoline	200 00
Asphalt blocks	21 50		
	$1,197 09		$873 91

RECEIPTS AND EXPENDITURES OF ACCOUNTS IN CHARGE OF THE DEPARPMENT OF HIGHWAYS AND BRIDGES FOR THE MUNICIPAL YEAR 1912

Receipts

Appropriation	$124,732 72
Appropriation, Refuse Disposal (Additional)	2,000 00
Appropriation, Broadway Granolithic Sidewalk	500 00
Cash received and deposited with the City Treasurer to the credit of the Highway Fund, as per above statement	873 91
	$128,106 63

Disbursements

Paid for labor	$92,857 88
Paid for materials	26,501 63
Balance unexpended	8,747 12
	$128,106 63

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STATEMENT SHOWING APPROPRIATIONS, DEPOSITS WITH CITY TREASURER, DISBURSEMENTS AND BALANCES OF ACCOUNTS IN CHARGE OF THE DEPARTMENT OF HIGHWAYS AND BRIDGES DURING THE MUNICIPAL YEAR OF 1912

	Appropriations	Deposit City Treas.	Total Appro.	Disbursement	Balances
PUBLIC WEIGHTS AND MEASURES					
3.7—City Scales, City Wharf	$400.00	$	$400.00	$348.92	$51.08
PUBLIC SAFETY					
3.8—Railroad Crossings	50.00		50.00	9.85	40.15
PUBLIC SANITATION					
5.0—Supervision	2,762.50		2,762.50	2,610.04	152.46
5.1—Street Cleaning	30,000.00		30,000.00	29,962.41	37.59
5.2—Refuse Disposal					
Collection and Disposal	10,000.00		10,000.00	9,704.37	295.63
Labor at Dumps, Supplies, etc	1,500.00		1,500.00	1,439.21	60.79
5.3—Sewers and Sewerage Disposal	8,500.00	91.00	8,591.00	8,454.20	136.80
5.3—Settling Tank, clean, etc	600.00		600.00	451.66	148.34
5.3—Second Ward Sewerage System	1,500.00		1,500.00	897 32	602.68
5.3—CONSTRUCTION					
Second Ward Sewerage System, balance due on contract of 1911	549.40		549.40	549.40	
Albro Street Sewer	275.00		275.00	174.92	100.08
Anthony Avenue Sewer	150.00		150.00	109.87	40.13
Coddington Wharf Sewer	225.00		225.00	173.82	51.18
Princeton Street Sewer	550.00		550.00	476.79	73.21
Whitwell Avenue Sewer	175.00		175.00	150.21	24.79
	$56,786.90	$91.00	$56,878.90	$55,154.22	$1,723.68

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PUBLIC HIGHWAYS AND BRIDGES					
6.0—Supervision	$3,811.00		$3,811.00	$3,673.72	$137.28
6.2—Street repairs	20,000.00	$582.91	20,582.91	20,531.93	50.98
6.2—Bellevue Avenue, asphalt macadam	7,000.00		7,000.00	6,468.08	531.92
6.2—Sea Wall repairs	500.00		500.00	475.81	24.19
6.2—City Yard building repairs	100.00		100.00	99.86	.14
6.2—Horses	750.00		750.00	125.00	625.00
6.3-4-5—CONSTRUCTION					
Ashhurst Place, curb and macadamize	1,200.00		1,200.00	917.97	282.03
Anthony Street, curb west side and macadamize	750.00		750.00	722.74	27.26
Broadway, granolithic sidewalk	500.00		500.00	454.58	45.42
Bush Street, turnpike, etc	275.00		275.00	129.07	145.93
Clinton Street, grading	500.00		500.00	187.38	312.62
County Street, macadam, etc	950.00		950.00	902.06	47.94
LaSalle Place, curb south side	730.00		730.00	619.04	110.96
Lucas Avenue, curb and macadamize	3,025.00		3,025.00	2,462.72	562.28
Malbone Road, curb west side, from Channing Street to Van Zandt Avenue	700.00		700.00	630.37	69.63
Ocean Avenue, sea wall	2,000.00		2,000.00	1,897.93	102.07
Sheffield Avenue, macadam	600.00		600.00	579.06	20.94
Slocum Street, curb	2,000.00		2,000.00	1,996.85	3.15
Webster Street, sea wall	1,500.00		1,500.00	762.95	737.05
Wellington Avenue, macadam	2,000.00		2,000.00	1,970.21	29.79
6.6—Snow removal	3,500.00		3,500.00	1,466.11	2,033.89
6.8—Street Sprinkling	13,500.00	200.00	13,700.00	13,677.69	22.31
6.9—Bridge Repairs	350.00		350.00	345.33	4.67
	$66,241.00	$782.91	$67,023.91	$61,096.46	$5,927.45

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	Appropriations	Deposits City Treas.	Total Appro.	Disbursements	Balances
PUBLIC RECREATIONS					
9.5—Bathing Beaches	$500.00		$500.00	$495.95	$4.05
Forty Steps	50.00		50.00	38.85	11.15
City Piers	1,000.00		1,000.00	286.07	713.93
	$1,550.00		$1,550.00	$820.87	$729.13
PUBLIC RECREATIONS, MISCELLANEOUS					
9.7—City Fountains	$504.82		$504.82	$299.60	$205.22
Tree Preservation	600.00		600.00	573.20	26.80
	$1,104.82		$1,104.82	$872.80	$232.02
PUBLIC DOCKS AND WHARVES					
10.7—City Wharf	$900.00		$900.00	$858.07	$41.93
City Floats	50.00		50.00	50.00	.....
City Brows	150.00		150.00	148.32	1.68
	$1,100.00		$1,100.00	$1,056.39	$43.61
SUMMARY					
Public Weights and Measures	$400.00	$	$400.00	$348.92	$51.08
Public Safety	50.00		50.00	9.85	40.15
Public Sanitation	56,786.90	91.00	56,877.90	55,154.22	1,723.68
Public Highways and Bridges	66,241.00	782.91	67,023.91	61,096.46	5,927.45
Public Recreations	1,550.00		1,550.00	820.87	729.13
Public Recreations, Miscellaneous	1,104.82		1,104.82	872.80	232.02
Public Docks and Wharves	1,100.00		1,100.00	1,056.39	43.61
	$127,232.72	$873.91	$128,106.63	$119,359.51	$8,747.12

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SUMMARY OF EXPENDITURES OF THE DEPARTMENT OF HIGHWAYS AND BRIDGES FOR THE MUNICIPAL YEAR OF 1912

		Labor.	Materials.	Total.
	Public Weights and Measures.			
3.7	City Scales, Install new scales.	$42 28	$299 64	$341 92
	City Scales, Supplies, etc...	2 00	5 00	7 00
		$44 28	$304 64	$348 92
	Public Safety.			
3.8	Railroad Crossing, Elm Street..	$1 59	$8 26	$9 85
	Public Sanitation.			
5.0	Supervision	$2,560 69	$49 35	$2,610 04
5.1	Street Cleaning:			
	Cleaning Streets.....	17,203 34	258 24	17,461 58
	Cleaning Thames Street.....	4,841 27	590 63	5,431 90
	Cleaning Spring Street.....	1,955 76	68 87	2,024 63
	Cleaning Broadway.....	1,748 13	121 92	1,870 05
	Cleaning Long Wharf.....	746 35	44 96	791 31
	Cleaning Bellevue Avenue....	2,382 94		2,382 94
5.2	Refuse Disposal:			
	Collection and Disposal.....	9,043 85	660 52	9,704 37
	Labor at Dumps, etc.....	1,434 38	4 83	1,439 21
5.3	Sewers and Sewage Disposal:			
	Cleaning Main sewers.....	2,563 03	248 19	2,811 22
	Sewer Repairs:			
	General Repairs sewers.....	408 76	126 97	535 73
	Bliss Road.....	232 74	11 23	243 97
	Main Sewer Outlet.....	26 71	3 96	30 67
	Taber Street.....	367 24	33 27	400 51
	Thames Street at Webster Street	19 44	14 99	34 43
	Water Works Road.....	65 57	29 68	95 25
	Emergency Sewers (Construction):			
	Bush Street sewer.....	138 36	43 63	181 99
	Houston Ave. sewer, Extend	50 12	19 62	69 74
	Old Fort Road sewer, Extend..	52 92	10 09	63 01
	Peckham Ave. sewer.....	112 65	32 80	145 45
	Vaughan Ave. sewer Extend.	28 99	9 36	38 35
	West Street sewer.....	54 57	11 19	65 76
	Cleaning catch basins and eyes.	2,549 17	519 07	3,068 24
	Repairs catch basins and eyes..	206 52	52 83	259 35

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	Build catch basins and eyes.....			
	Clinton Street eye.....	$30 05	$4 27	$34 32
	Clinton Street catch basin and eye.....	85 66	36 33	121 99
	Coggeshall Ave. catch basin..	50 45	23 42	73 87
	Gidley Street catch basin.....	23 54	15 65	39 19
	Harrison Ave. catch basin and eye.....	95 49	45 67	141 16
5.3	Settling Tank, clean and repair.	350 68	100 98	451 66
5.3	Second Ward Sewerage System.	119 66	777 66	897 32
5.3	CONSTRUCTION:			
	Second Ward Sewerage System:			
	Balance of Contract.....		549 40	549 40
	Special Sewers:			
	Albro Street sewer.....	131 12	43 80	174 92
	Anthony Avenue sewer.....	85 61	24 26	109 87
	Coddington Wharf sewer, Extend.....	76 73	97 09	173 82
	Princeton Street sewer.....	415 30	61 49	476 79
	Whitwell Avenue sewer.....	95 15	55 06	150 21
		$50,352 94	$4,801 28	$55,154 22

Public Highways and Bridges.

6.0	Supervision.....	$2,747 14	$926 58	$3,673 72
6.2	Street Repairs:			
	General repairs to streets.....	2,446 82	1,115 16	3,561 98
	Pavement Repairs:			
	Broadway.....	459 28	340 30	799 58
	Spring Street.....	586 94	369 02	955 96
	Thames Street at Narragansett Ave.....	28 18	10 02	38 20
	Thames Street at No. 6 Fire Station.....	11 36	2 50	13 86
	Thames Street at Clarke's....	3 11	1 79	4 90
	Repairs Macadam:			
	Ayrault Street, Kay Street, east.....	66 80	22 00	88 80
	Bath Road.....	41 32	10 37	51 69
	Bellevue Ave., LeRoy Ave., north.....	698 71	190 47	889 18
	Bellevue Ave., (Patching)..	16 69	6 47	23 16
	Bliss Mine Road.....	44 00		44 00
	Broadway, Equality Park, north.....	318 58	87 30	405 88
	Broadway at Court House....	133 16	59 86	193 02

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	Carroll Avenue	$43 44	$6 49	$49 93
	Church Street	315 26	64 05	379 31
	Easton's Beach Road	349 97	73 95	423 92
	Girard Avenue	77 53		77 53
	Harrison Avenue	728 83	160 03	888 86
	John Street	69 81	28 75	98 56
	Malbone Road	162 76	42 09	204 85
	Marchant Street	130 82	27 41	158 23
	Mary Street	231 93	47 34	279 27
	Narragansett Avenue	260 66	75 13	335 79
	Ocean Avenue	1,074 47	282 80	1,357 27
	Park Place	28 24	8 42	36 66
	Pelham Street, Thames to Spring	86 90	23 62	110 52
	Ridge Road	97 97	23 54	121 51
	Second Street	76 17	26 88	103 05
	Thames Street (Upper)	6 93	2 86	9 79
	Third Street	106 83	38 97	145 80
	Touro Street	6 58	3 09	9 67
	Washington Square	26 36	10 37	36 73
	Washington Street	80 20	24 09	104 29
	Water Works Road	77 00		77 00
	Webster Street	135 35	40 66	176 01
	Wellington Ave., Thames St., west	71 39	14 41	85 80
	West Broadway, Marlborough north	225 19	96 49	321 68
	Pelham Street, Asphalt on quarters	18 01	9 00	27 01
	Re-surface Macadam:			
	Ayrault Street, Broadway to Kay Street	671 66	181 59	853 25
	Bath Road, Cliff Walk, east	178 73	37 16	215 89
	Calvert Street	254 32	75 82	330 14
	Dennison Street	146 38	44 50	190 88
	Green Street	106 78	31 50	138 28
	Ochre Point Avenue	236 85	61 08	297 93
	West Pelham Street	83 09	22 33	105 42
	Re-Macadam			
	Bridge Street, Thames Street, west	543 12	161 17	704 29
	Cross Street	238 85	57 88	296 73
6.2	Bellevue Ave. Asphalt Macadam	1,116 04	5,352 04	6,468 08
	Re-Set Curb			
	Bellevue Avenue	1,306 73	236 78	1,543 51

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	Broadway at Bay View Ave...	$11 55	$2 07	$13 62
	Bull Street.....	156 99	29 32	186 31
	Cranston Ave. at Broadway...	24 67	2 16	26 83
	Cranston Ave. at Kay Street.	15 83	1 23	17 06
	Malbone Road at Channing St.	10 12		10 12
	Roseneath Avenue.....	25 65	5 14	30 79
	Thames Street front Century Store.....	27 78	6 76	34 54
	West Extension Street.....	5 93	1 18	7 11
	New corner curb (old bluestone)			
	Annandale Road at Parker Ave	52 08	13 41	65 49
	Annandale Road at Narragansett	24 85	6 07	30 92
	Gutters repaired and relaid.....			
	General repairs	123 94	24 14	148 08
	Bellevue Avenue.....	33 77	4 40	38 17
	Bellevue Ave. at Casino.....	54 41	11 23	65 64
	Catherine Street.....	94 24	17 24	111 48
	Champlin Street.....	222 67	51 25	273 92
	Dennison Street.....	139 38	28 16	167 54
	Middleton Avenue.....	16 80	1 95	18 75
	Morgan Court.....	11 36	1 79	13 15
	Ocean Ave. at Perry estate...	129 27	9 40	138 67
	Ocean Ave. at Agassiz estate.	18 50	2 01	20 51
	Prescott Hall Road.....	66 45	14 42	80 87
	Ruggles Avenue (Asphalt)...	20 17	14 59	34 76
	Crossings, repair and relay....	136 58	18 36	154 94
	Driveways, repair and relay..	11 55	1 44	12 99
	Bellevue Ave. at Fairchild's..	18 36	1 79	20 15
	Prospect Hill Street, No. 8 Fire Station..... ...	15 30	2 06	17 36
	Sidewalk Repairs:			
	General repairs to sidewalks..	540 20	153 53	693 73
	Bellevue Ave., west side, Bowery Street, north.....	119 24	23 47	142 71
	Broadway at Equality Park...	204 97	124 14	329 11
	Calvert Street.....	79 78	3 45	83 23
	Elliott Place.....	25 15		25 15
	Ridge Road.....	101 74		101 74
	Touro Street.....	25 48	11 44	36 92
	Whitfield Court.....	8 25	5 75	14 00
6.2	City Yard building repairs	35 62	64 24	99 86
6.2	Sea Wall Repairs:			
	Ocean Ave. opposite Davis',..	228 78	58 78	.287 56
	Ocean Avenue near Kennedy's	69 66	13 66	83 32
	Wellington Avenue.....	97 72	7 21	104 93

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6.2 Horses	$	$125 00	$125 00
6.3-4-5 Construction:			
Anthony Street, curb West side, etc	348 75	373 99	722 74
Ashhurst Place, curb and macadam	664 13	253 84	917 97
Broadway granolithic sidewalk	317 06	137 52	454 58
Bush Street, turnpike, etc	106 34	22 73	129 07
Clinton Street, grading	165 28	22 10	187 38
County Street, macadam, etc.	773 71	128 35	902 06
LaSalle Place, curb south side	263 52	355 52	619 04
Lucas Ave., curb and macadam	1,195 28	1,267 44	2,462 72
Malbone Road, curb west side, from Channing Street to Van Zandt Avenue	274 50	355 87	630 37
Ocean Avenue, sea wall	1,520 24	377 69	1,897 93
Sheffield Avenue, macadam	463 11	115 95	579 06
Slocum Street, curb	849 44	1,147 41	1,996 85
Webster Street, sea wall at Cliff Walk	508 13	254 82	762 95
Wellington Avenue, macadam	1,623 81	346 40	1,970 21
6.6 Snow removal	1,290 77	175 34	1,466 11
6.8 Street sprinkling:			
Watering, repairs	1,071 43	291 05	1,362 48
Watering, applying	8,652 15	401 52	9,053 67
Applying Dustoline	162 39	3,099 15	3,261 54
6.9 Bridge repairs:			
Bedlow Avenue	40 81	17 14	57 95
Green Bridge, Ocean Avenue	2 75	5 88	8 63
Girard Avenue	4 94	1 84	6 78
Van Zandt Avenue	223 54	48 43	271 97
	$40,500 11	$20,596 35	$61,096 46

Public Recreations

9.5 Easton's Beach	$375 14	$120 81	$495 95
Forty Steps	32 30	6 55	38 85
City Piers:			
Ann Street		187 00	187 00
Elm Street	22 00	38 57	60 57
Van Zandt Avenue	22 00	16 50	38 50
	$451 44	$369 43	$820 87

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Public Recreations

Miscellaneous

9.7	City Fountains, cleaning	$27 47	$2 00	$29 47
	City Fountains, repairs			
	Bailey's Beach	3 00	2 25	5 25
	Broadway, near Soldier's and Sailor's Monument	3 60	4 13	7 73
	Touro Park, west	27 05	4 73	31 78
	Thames Street opp. Wellington Avenue	5 15		5 15
	Washington Square	5 15	4 85	10 00
	West Broadway	3 00	2 40	5 40
	Install Washington Square, including lantern	80 89	123 93	204 82
	Tree Preservation :			
	Trim and remove	423 18	55 86	479 04
	Spraying	94 16		94 16
		$672 65	$200 15	$872 80

Public Docks and Wharves

10.7	City Wharf	$736 89	$121 18	$858 07
	City Floats	36 40	13 60	50 00
	City Brows :			
	Elm Street	35 00	49 54	84 54
	Poplar Street	17 63	28 30	45 93
	Willow Street	8 95	8 90	17 85
		$834 87	$221 52	$1,056 39

Summary

Public Weights and Measures	$44 28	$304 64	$348 92
Public Safety	1 59	8 26	9 85
Public Sanitation	50,352 94	4,801 28	55,154 22
Public Highways and Bridges	40,500 11	20,596 35	61,096 46
Public Recreations	451 44	369 43	820 87
Public Recreations, Miscellaneous	672 65	200 15	872 80
Public Docks and Wharves	834 87	221 52	1,056 39
	$92,857 88	$26,501 63	$119,359 51

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DETAIL OF EXPENDITURES OF THE DEPARTMENT OF HIGHWAYS AND BRIDGES FOR THE MUNICIPAL YEAR OF 1912

PUBLIC WEIGHTS AND MEASURES

April

1	Simon Hart, scale books	$2 50

May

2	Providence Scale and Supply Co., 15-ton scale	295 00
3	J. K. Sullivan, gravel	2 10
4	J. Stacy Brown, stone	30
5	City Sealer, testing scales	1 00
	Pay rolls	39 87
		$340 77

December

6	City Sealer, testing scales	1 00
7	Simon Hart, scale books	2 50
		$344 27

PUBLIC SAFETY

April

1	Wm. M. Harris & Company, lumber	$6 85
2	Highways and Bridges, freight	51
	Pay Rolls	1 29
		$8 65

PUBLIC SANITATION

January

1	H. L. Marsh & Company, cotton bag	$ .25
2	George A. Weaver Company, fork, etc	2 03
3	S. W. Coggeshall, fork	75
4	Charles S. Goddard, tool repairs	30
5	J. M. K. Southwick, rope	16 91
6	Boston & Lockport Block Company, rubber washers	1 32
7	N. Y., N. H. & H. R. R. Co., freight	40
8	John M. Friend, bend	25
9	Bay State Street Railway Company, electricity	162 90
10	Lynch Brothers, grease cups	2 75
11	J. D. Johnston, pine	40
12	Alexander J. Fludder, pipe	2 66
	Pay Rolls	1,792 96
		$1,983 88

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February

13	Simon Hart, office supplies	$1 95
14	Charles S. Goddard, cart repairs	3 50
15	J. T. O'Connell, rope	1 50
16	Bay State Street Railway Company, electricity	137 24
	Pay Rolls	1,215 35
		$3,343 42

March

17	Ward Printing Company, printing	$13 00
18	Aquidneck Machine Works and Garage, cart repairs	10 10
19	M. F. Shea, cart repairs	17 00
20	Charles S. Goddard, repair axle nut	50
21	Boston & Lockport Block Company, bolts, etc	58
22	Charles S. Goddard, tool repairs	40
23	W. L. Nordling, kerosene	4 50
24	Charles S. Goddard, tool repairs	2 20
25	Newport Water Works, rubber mitts	4 35
26	J. K. Sullivan, gravel	1 77
27	A. & H. G. Hammett, brick	74
28	J. M. K. Southwick, pump, etc	3 30
29	Wm. B. Scott & Company, pails	1 70
30	George A. Weaver Company, shovel	1 65
31	Charles S. Goddard, pails	2 00
32	P. F. McDonald, gears	25 94
33	M. F. Shea, cart repairs	16 00
34	J. K. Sullivan, gravel	63
35	Alexander J. Fludder, pipe	7 14
36	M. F. Shea, repairing manhole cover	1 75
37	S. W. Coggeshall, gate hinges	23
38	Bay State Street Railway Company, electricity	123 38
	Pay Rolls	1,410 81
		$4,993 09

April

39	John Gladding, Jr., printing	$12 05
40	George H. Carr, pads	1 00
41	Wm. B. Scott & Company, brooms	90 25
42	Harry L. DeBlois, street hoes	12 00
43	Wm. K. Covell, repairing watering pot	45
44	Aquidneck Machine Works and Garage, cart repairs	4 00
45	John H. Sullivan, refuse disposal, contract	389 03
46	T. Mumford Seabury Company, rubber boots	15 00

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47	Jas. S. Ramlose, rubber boots and repairs		$20 65
48	Alexander J. Fludder, pipe		27 58
49	J. K. Sullivan, gravel		35
50	J. T. O'Connell, leather		20
51	James P. Taylor, oil pants		1 00
52	J. T. O'Connell, oil coat		1 25
53	Aquidneck Machine Works and Garage, cart repairs		12 45
54	Charles S. Goddard, cart repairs		1 25
55	Alexander J. Fludder, iron frame		2 25
56	A. & H. G. Hammett, brick		1 00
57	Bay State Street Railway Company, electricity		26 87
58	Ralph R. Barker, glass		80
59	Alexander J. Fludder, pipe		8 16
60	John M. Friend, brick		19 00
61	J. K. Sullivan, gravel		1 47
62	Alexander J. Fludder, pipe		49 64
63	J. K. Sullivan, gravel		67
64	John M. Friend, brick		50
	Pay Rolls		3,975 91
	Vouchers ordered paid by the Board of Aldermen (Assumed)		
	J. J. Dugan, refuse disposal	42 38	
	P. H. Welch, " "	319 12	
	J. J. Dugan, " "	258 50	620 00
			$10,287 87

May

65	Vacuum House Cleaning Company, cleaning rugs	$ 75
66	Wm. B. Scott & Company, tools	11 10
67	S. W. Coggeshall, scoop and rake	1 90
68	M. F. Shea, cart repairs	8 50
69	Charles S. Goddard, tool repairs	30
70	John H. Sullivan, refuse disposal, contract	550 26
71	George A. Weaver Company, fork	65
72	J. M. K. Southwick, rope, etc.	2 10
73	Bay State Street Railway Company, electricity	117 28
74	Wm. B. Scott & Company, lawn seed	2 00
75	Scannevin & Potter, balance contract	549 40
76	Alexander J. Fludder, pipe	21 08
77	J. K. Sullivan, gravel	21
78	Charles S. Goddard, tool repairs	60
79	John M. Friend, pipe	51 52
80	J. K. Sullivan, gravel	56
81	Charles S. Goddard, tool repairs	1 20

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148	J. K. Sullivan, gravel	$ 70
149	Jas. P. Taylor, oil suit	2 00
150	Aquidneck Machine Works & Garage, cart repairs	2 50
151	J. K. Sullivan, gravel	1 05
152	Bay State Street Railway Company, electricity	26 47
153	George A. Weaver Company, Emery paper	25
154	Alexander J. Fludder, pipe	5 40
155	J. K. Sullivan, gravel	07
156	D. J. Sullivan, tool repairs	1 05
157	Alexander J. Fludder, pipe	5 61
158	J. K. Sullivan, gravel	6 70
159	D. J. Sullivan & Company, weighing gravel	20
160	Alexander J. Fludder, pipe	68
161	J. K. Sullivan, gravel	2 56
	Pay Rolls	4,444 16
		$37,762 68

October

162	Wm. B. Scott & Company, brooms	$21 00
163	S. W. Coggeshall, rake	50
164	D. J. Sullivan, tool repairs	75
165	John H. Sullivan, refuse disposal	200 00
166	John H. Sullivan, refuse disposal, contract	760 07
167	Robert Bloomfield, refuse disposal	50
168	Harold L. Bond Company, sewer brushes	73 00
169	N. Y., N. H. & H. R. R. Co., freight	1 01
170	J. K. Sullivan, gravel	3 45
171	John M. Friend, cement	5 68
172	A. & H. G. Hammett, cement and lumber	7 05
173	George A. Weaver Company, pails	1 60
174	Charles S. Goddard, pails repaired	2 00
175	M. F. Shea, cart repairs	14 00
176	Jas. S. Ramlose, rubber boots repairs	1 00
177	J. K. Sullivan, gravel	1 31
178	Alexander J. Fludder, pipe	2 28
179	A. & H. G. Hammett, cement	5 10
180	D. J. Sullivan & Company, fuel	7 00
181	Jas. P. Taylor, oil suits	18 00
182	T. Mumford Seabury Company, rubber boots	16 50
183	Robert S. Gash, rubber boots	18 50
184	Jas. S. Ramlose, rubber boots	19 50
185	J. T. O'Connell, rope, etc	2 73
186	Charles S. Goddard, repair tub	2 25
187	Lynch Brothers, couplings, etc	1 10
188	S. W. Coggeshall, screws	12

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189	Bay State Street Railway Co., electricity	$19 80
	Pay Rolls	5,361 72
		$44,330 20

November

190	Ward Printing Company, paper	$1 25
191	H. L. Marsh & Company, bag	10
192	Charles S. Goddard, cart repairs	2 50
193	John H. Sullivan, refuse disposal	200 00
194	John H. Sullivan, refuse disposal, contract	522 48
195	S. W. Coggeshall, padlock	53
196	J. K. Sullivan, use of lighter	40 00
197	Alexander J. Fludder, pipe	3 76
198	J. K. Sullivan, gravel	96
199	Alexander J. Fludder, pipe	1 02
200	J. K. Sullivan, gravel	21
201	Bay State Street Railway Company, electricity	23 00
202	Wm. B. Scott & Company, hammer handle	08
203	S. W. Coggeshall, lantern globes, etc	78
204	J. T. O'Connell, oakum, etc	75
205	A. & H. G. Hammett, lumber	6 28
206	J. K. Sullivan, towing scow	41 00
207	Pinniger & Manchester, rent of barge	50 00
	Pay Rolls	3,453 26
		$48,678 16

December

208	C. A. Hilcken, backing sewer charts	$72 15
209	O. T. Louis Company, Constancia paper	6 60
210	Wm. B. Scott & Company, brooms	14 00
211	Wm. K. Covell, repairing watering pot	45
212	Charles S. Goddard, cart repairs	1 50
213	John H. Sullivan, refuse disposal, contract	830 36
214	The Burbidge Company, repairing steps	7 15
215	George A. Weaver Company, fork	65
216	A. & H. G. Hammett, lumber	2 85
217	J. K. Sullivan, gravel	84
218	George A. Weaver Company, broom	60
219	M. F. Shea, cart repairs	1 25
220	J. K. Sullivan, gravel	14
221	Alexander J. Fludder, manhole cover and rim	7 15
222	Bay State Street Railway Co., electricity	19 61
	Pay Rolls	1,694 79
	½ of Street Commissioner's salary (assumed)	750 00
		$52,088 25

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PUBLIC HIGHWAYS AND BRIDGES

January

1	Providence Telephone Company, service	$44 25
2	C. A. Hilcken, binding annual reports	1 00
3	Highways and Bridges, postage	1 00
4	Remington Ward, paper	2 50
5	Simon Hart, office supplies	4 19
6	George H. Carr, office supplies	3 10
7	The Birmingham Pen Company, pens	2 50
8	Charles S. Goddard, tool repairs	30
9	J. Stacy Brown, stone	4 24
10	Wm. B. Scott & Company, lantern globes	50
11	Patrick Howard, kerosene	4 25
12	Harold L. Bond Company, wrenches	12 00
13	S. W. Coggeshall, shovel	1 45
14	J. K. Sullivan, gravel	18
15	James H. Donovan, tool repairs	1 00
16	A. & H. G. Hammett, lumber	8 97
17	Philip F. Conroy, pipe	82
18	Charles S. Goddard, tool repairs	50
19	M. F. Shea, tool repairs	85
20	J. K. Sullivan, gravel	7 58
21	Perry Coal Company, fuel	6 85
22	Wright Brothers. paint, etc	14 00
23	Ralph R. Barker, brushes	14 30
24	Barker Brothers & Company, pipe	2 58
25	The Studebaker Corporation, washers, etc	17 55
26	Harold L. Bond Company, bolts	14 67
27	N. Y., N. H. & H. R. R. Co., freight	30
28	Highways and Bridges, express	70
29	J. D. Johnston, lumber	1 55
30	George A. Weaver Company, screen, etc	6 70
31	Charles S. Goddard, cart repairs	1 80
	Pay Rolls	810 29
		$992 47

February

32	J. B. Parsonage & Son, bond	12 50
33	L. C. Smith & Bros. Typewriter Co., carbon	6 00
34	Kee Lox Manufacturing Company, ms. covers	1 00
35	George H. Carr, paper	1 75
36	Wm. P. Clarke, ink	1 50
37	Municipal Journal, subscription	3 00

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38	Highways and Bridges, postage	$2 00
39	J. K. Sullivan, gravel	3 31
40	S. W. Coggeshall, padlock	75
41	J. K. Sullivan, gravel	31 95
42	Charles S. Goddard, tool repairs	80
43	D. J. Sullivan & Company, fuel	14 00
44	Wright Brothers, oil	6 25
45	Ralph R. Barker, dryer	1 50
46	Barker Brothers & Company, pipe	50
47	Wm. B. Scott & Company, hammer handle	10
48	The Studebaker Corporation, plunger, etc	11 00
49	Phineas C. Clark, nuts	7 00
50	Charles S. Goddard, cart repairs	1 20
51	John F. Sullivan, stone	59 14
	Pay Rolls	701 95
		$1,859 67

March

52	Simon Hart, office supplies	75
53	Samuel T. H Ailman, office supplies	1 10
54	The Milne Printery, printing	5 00
55	The Ward Printing Company, loose leaf ledger	18 00
56	John F. Sullivan, stone	132 60
57	J. Stacy Brown, stone	11 44
58	J. K. Sullivan, gravel	7 90
59	J. Irving Shepley, copper	3 50
60	S. W. Coggeshall, knobs, etc	40
61	George A. Weaver Company, solder	1 05
62	Ralph R. Barker, glass	35
63	J. K. Sullivan, gravel	73
64	D. J. Sullivan & Company, fuel	7 00
65	M. F. Shea, cart repairs	20 00
66	Charles S. Goddard, cart repairs	6 50
67	The Studebaker Corporation, plunger	6 20
68	S. W. Coggeshall, screws	37
69	A. & H. G. Hammett, lumber	4 88
70	J. D. Johnston, lumber	5 51
71	Wright Brothers, bronzite	11 25
72	Ralph R. Barker, paint	2 80
73	Wm. B. Scott & Company, nails	20
74	George A. Weaver Company, saw blades, etc	1 38
75	A. & H. G. Hammett, lumber	7 59
	Pay Rolls	648 45
		$2,764 62

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April

76	Providence Telephone Company, service	$44 65
77	John Gladding, Jr., printing	4 40
78	George H. Carr, office supplies	6 25
79	Blaisdell Paper Pencil Company, pencils	1 65
80	Simon Hart, office supplies	80
81	City Treasurer, stamped envelopes	11 00
82	Highways and Bridges, express and postage	2 60
83	The Peckham Company, shovels	34 25
84	S. W. Coggeshall, shovels	28 25
85	J. D. Johnston, lumber and milling	7 25
86	J. T. O'Connell, cotton twine	68
87	Wm. B. Scott & Company, pails, etc.	5 50
88	George A. Weaver Company, tools	8 50
89	J. Stacy Brown, stone	68 04
90	John H. Sullivan, cartage stone	350 20
91	J. K. Sullivan, gravel	117 63
92	D. J. Sullivan & Company, weighing stone and gravel	2 30
93	Charles S. Goddard, tool repairs	65
94	W. L. Nordling, kerosene	4 50
95	J. K. Sullivan, gravel	22 79
96	Joseph P. Cotton, stone	120 75
97	George A. Weaver Company, shovels	3 35
98	S. W. Coggeshall, saw	2 25
99	J. T. O'Connell, rope	9 90
100	J. D. Johnston, posts	12 00
101	D. J. Sullivan, tool repairs	1 65
102	D. J. Sullivan & Company, fuel	14 00
103	S. W. Coggeshall, saw	1 50
104	James H. Donovan, tool repairs	50
	Pay Rolls	2,260 39
		$5,912 80

May

105	Ward Printing Company, printing	8 50
106	Samuel T. H. Ailman, office supplies	4 45
107	Simon Hart, inking pad	25
108	John H. Sullivan, cartage stone	442 55
109	J. Stacy Brown, stone	76 36
110	J. K. Sullivan, gravel	60 66
111	D. J. Sullivan & Company, weighing gravel	1 60
112	Charles S. Goddard, tool repairs	4 75
113	S. W. Coggeshall, nails, etc.	5 77
114	George A. Weaver Co., padlock	20

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115	W. L. Nordling, kerosene	$4 50
116	The American Asphaltum & Rubber Co., asphalt	620 55
117	N. Y., N. H. & H. R. R. Co., freight	27 67
118	A. & H. G. Hammett, lumber	6 60
119	S. W. Coggeshall, nails	48
120	Benjamin Easton, horse	125 00
121	J. K. Sullivan, gravel	5 08
122	J. Stacy Brown, stone	70
123	Charles S. Goddard, tool repairs	3 72
124	J. K. Sullivan, gravel	46 88
125	S. W. Coggeshall, wrenches	1 40
126	Robert S. Gash, rubber boots	6 50
127	A. & H. G. Hammett, lumber	3 00
128	George A. Weaver Company. screws	48
129	Lynch Brothers, rubber	60
130	J. Irving Shepley, iron	10 15
131	Philip F. Conroy, pipe, etc	26 77
132	M. F. Shea, cart repairs	6 50
133	Charles S. Goddard, cart repairs	1 25
134	J. R. Chase, motor cycle repairs	5 70
	Pay Rolls	3,023 81
		$10,445 23

June

135	Providence Telephone Company, tolls	70
136	Ward Printing Company, printing	4 00
137	Highways and Bridges, telegrams, etc	4 08
138	John H. Sullivan, cartage stone	336 10
139	J. Stacy Brown, stone	61 70
140	John F. Sullivan, stone	3 28
141	J. K. Sullivan, gravel	76 33
142	D. J. Sullivan & Company, weighing gravel	50
143	Newport Hospital, sand	2 00
144	Charles S. Goddard, tool repairs	40
145	A. & H. G Hammett, cement	9 45
146	John M. Friend, cement	19 80
147	Newport Paper & Grocery Company, oatmeal	4 15
148	John F. Sullivan, stone	1,909 82
149	American Asphaltum & Rubber Co., asphalt	621 08
150	D. J. Sullivan & Company, fuel	63 95
151	W. L. Nordling, kerosene	4 50
152	A. & H. G. Hammett, lumber	2 40
153	George A. Weaver Company, shovels, etc	10 85
154	William K. Covell, tar dippers,	3 00
155	Charles S. Goddard, tool repairs	1 50

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156	J. D. Johnston, plank,	$1 66
157	S. W. Coggeshall, screw driver and screws	80
158	J. H. Donovan, tool repairs	1 00
159	J. K. Sullivan, gravel	28 11
160	J. Stacy Brown, stone	78
161	J. K. Sullivan, gravel,	145 30
162	D. J. Sullivan & Company, weighing gravel	6 00
163	J. Stacy Brown, stone	1 05
164	D. J. Sullivan, tool repairs	3 20
165	John H. Sullivan, cartage stone	244 12
166	J. Stacy Brown, stone	38 65
167	J. B. Cottrell's Sons, tool repairs	2 00
168	D. J. Sullivan & Company, fuel	18 87
169	Lynch Brothers, pipe fittings	1 55
170	William A. Maher, watering cart repairs	7 20
171	Barker Brothers Company, nipple, etc	1 20
172	The Dustoline for Roads Company, dustoline	1,603 87
173	J. M. K. Southwick, pump repairs	75
	Pay Rolls	4,163 81
		$19,854 74

July

174	Ward Printing Company, time books	16 00
175	Sampson & Murdock Company, directory	2 00
176	Simon Hart, paste	35
177	Highways and Bridges, telegram	74
178	Providence Telephone Company, service	14 75
179	Art Metal Construction Company, fire proof case	390 00
180	John H. Sullivan, cartage stone	236 14
181	J. Stacy Brown, stone	45 64
182	J. K. Sullivan, gravel	36 03
183	D. J. Sullivan & Company, weighing gravel	90
184	John F. Sullivan, stone dust	6 56
185	Alexander J. Fludder, cement	43 56
186	George A. Weaver Company, lampblack	1 32
187	M. F. Shea, cement cutter, etc	1 75
188	Charles S. Goddard, tool repairs	20
189	John F. Sullivan, stone	1,186 65
190	American Asphaltum & Rubber Co., asphalt	638 34
191	N. Y., N. H. & H. R. R. Co., freight	106 11
192	D. J. Sullivan Company, fuel	42 31
193	J. K. Sullivan, use of small roller	66 00
194	Charles S. Goddard, tool repairs	40
195	N. Y., N. H. & H. R. R. Co., freight	09

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196	J. D. Johnston, plank	$1 15
197	Ralph R. Barker, glass, etc	1 50
198	D. J. Sullivan, tool repairs	25
199	John H. Sullivan, cartage stone	28 10
200	J. Stacy Brown, stone	4 11
201	J. K. Sullivan, gravel	2 41
202	The Peckham Company, shovels	5 75
203	Charles S. Goddard, tool repairs	2 50
204	J. T. O'Connell, rope	7 98
205	Wm. B. Scott & Company, axes	2 50
206	John H. Sullivan, cartage stone	51 25
207	J. Stacy Brown, stone	7 49
208	J. K. Sullivan, gravel	35 26
209	John H. Sullivan, cartage stone	25 81
210	J. Stacy Brown, stone	4 91
211	J. K. Sullivan, gravel	105 39
212	D. J. Sullivan & Company, weighing gravel	4 40
213	The Peckham Company, shovels	5 75
214	D. J. Sullivan, tool repairs	10 20
215	John H. Sullivan, cartage stone	138 80
216	J. Stacy Brown, stone	20 28
217	J. K. Sullivan, gravel	67 30
218	D. J. Sullivan & Company, weighing gravel	2 10
219	J. Stacy Brown, stone	53
220	John H. Sullivan, cartage stone	220 78
221	J. Stacy Brown, stone	34 96
222	D. J. Sullivan & Company, fuel	25 87
223	P. F. Conroy, valve	4 00
224	Charles S. Goddard, cart repairs	6 45
225	M. F. Shea, watering tank repairs, etc	30 24
226	J. R. Chase, motor cycle repairs	16 71
227	The Dustoline for Roads Company, dustoline	1,053 46
228	J. T. O'Connell, pump repairs	1 05
229	A. & H. G. Hammett, lumber	1 84
	Pay Rolls	5,141 26
		$29,762 92

August

230	Providence Telephone Company, service	14 29
231	Postal Telegraph-Cable Company, telegram	50
232	Samuel T. H. Ailman, office supplies	6 25
233	George H. Carr, office supplies	5 00
234	Maurice C. Smith, pen pad and ink	1 90
235	John H. Sullivan, cartage stone	293 21
236	J. Stacy Brown, stone	60 96

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237	J. K. Sullivan, gravel	$11 12
238	D. J. Sullivan & Company, weighing gravel	10
239	John F. Sullivan, stone	36 94
240	D. J. Sullivan & Company, fuel	39 00
241	George A. Weaver Company, brooms	4 50
242	A. & H. G. Hammett, lumber.	1 35
243	Jas. H. Donovan, tool repairs	75
244	J. Stacy Brown, stone	44
245	J. K. Sullivan, gravel	76 14
246	D. J. Sullivan & Company, weighing gravel	3 10
247	D. J. Sullivan, tool repairs	2 25
248	J. K. Sullivan, gravel	3 04
249	Charles S. Goddard, tool repairs	58
250	John H. Sullivan, cartage stone	135 10
251	J. Stacy Brown, stone	19 74
252	J. K. Sullivan, gravel	40 92
253	J. Stacy Brown, stone	27
254	Charles S. Goddard, tool repairs	40
255	J. K. Sullivan, gravel	177 41
256	D. J. Sullivan & Company, weighing gravel	1 50
257	J. Stacy Brown, stone	1 37
258	Wm. B. Scott & Company, shovel	1 25
259	D. J. Sullivan, tool repairs	5 80
260	George A. Weaver Company, plow points etc	1 10
261	D. J. Sullivan & Company, fuel	14 00
262	Newport Water Works, pipe fittings	72
263	Lynch Brothers, repairs	7 85
264	Charles S. Goddard, cart repairs	1 25
265	George A. Weaver Company, seat springs	75
266	M F. Shea, cart repairs	2 50
267	The Dustoline for Roads Company, dustoline	398 97
268	A. &. H. G. Hammett, lumber	5 88
	Pay Rolls	3,805 50
		$34,946 62

September

269	Simon Hart, office supplies	2 25
270	Newport Gas Light Company, radiators	12 58
271	John H. Sullivan, stone cartage	241 48
272	J. Stacy Brown, stone	42 43
273	John F. Sullivan, stone	89 37
274	D. J. Sullivan & Company, fuel	21 94
275	J. K. Sullivan, gravel	28 50
276	D. J. Sullivan & Company, weighing gravel	60
277	A. & H. G. Hammett, lumber	3 36

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278	George A. Weaver Company, brooms	$1 50
279	D. J. Sullivan, tool repairs	4 15
280	New England Navigation Company, freight	17 64
281	George A. Weaver Company, glass, etc	1 14
282	Ralph R. Barker, glass and putty	1 01
283	John H. Sullivan, cartage stone	9 16
284	J. Stacy Brown, stone	1 45
285	D. J. Sullivan tool repairs	50
286	J. Stacy Brown, stone	22
287	Alexander J. Fludder, cement	21 30
288	John M. Friend, cement	22 72
289	J. Stacy Brown, stone	20 07
290	D. J. Sullivan & Company, fuel	24 66
291	Wright Brothers, paint	11 25
292	J. R. Chase, motor cycle repairs	7 35
293	Charles S. Goddard, cart repairs	2 50
294	M. F. Shea, cart repairs	50
	Pay Rolls	3,240 16
		$38,776 31

October

295	The Milne Printery, printing annual reports	175 00
296	Ward Printing Company, printing	6 30
297	Providence Telephone Company, service	28 16
298	Highways and Bridges, postage	8 00
299	George H. Carr, office supplies	3 59
300	J. Stacy Brown, stone	5 15
301	J. K. Sullivan, gravel	2 57
302	John M. Friend, cement	1 42
303	S. W. Coggeshall, shovel	1 30
304	George A. Weaver Company, no korode	20
305	Alexander J. Fludder, cement	9 42
306	John M. Friend, cement	15 62
307	A. & H. G. Hammett, lumber	5 10
308	J. Stacy Brown, stone	19 30
309	Alexander J. Fludder, cement	23 55
310	John M. Friend, cement	11 36
311	D. J. Sullivan, tool repairs	75
312	D. J. Sullivan & Company, fuel	2 44
313	J. R. Chase, motor cycle repairs	65
314	S. W. Coggeshall, paint, etc	43 13
315	A. & H. G. Hammett, lumber	2 40
316	J. D. Johnston, lumber	1 92
	Pay Rolls	2,930 29
		$42,073 93

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November

317	Remington Ward, paper	$4 00
318	George H Carr, note books	50
319	Simon Hart, blotters	78
320	Highways and Bridges, postage	2 00
321	J. Stacy Brown, stone	10 27
322	J. K. Sullivan, gravel	16 54
323	John M. Friend, cement	4 26
324	George A. Weaver Company, shovel	1 45
325	Philip F. Conroy, pipe and fittings	5 41
326	Alexander J. Fludder, cement	3 14
327	J. Stacy Brown, stone	1 19
328	J. K. Sullivan, gravel	10 19
329	J. D. Johnston, lumber	5 73
330	Alexander J. Fludder, cement	25 12
331	J. G. Stevens, straw	2 30
332	N. Y., N. H. & H. R. Co., cinders	4 50
333	Newport Gas Light Company, cinders	2 25
334	W. L. Nordling, kerosene	1 80
335	Charles S. Goddard, tool repairs	80
336	Ralph R. Barker, paint, etc	8 75
337	Wright Brothers, bronzite	5 00
338	Sidney B. Gladding, gasoline	20 00
	Pay Rolls	1,062 50
		$43,272 41

December

339	Providence Telephone Company, service	$28 17
340	J. Stacy Brown, stone	3 19
341	J. K. Sullivan, gravel	1 01
342	George A. Weaver Company, shovel	1 50
343	A. & H. G. Hammett, lumber	2 31
344	S. W. Coggeshall, nails	08
345	Charles S. Goddard, tool repairs	24
346	George A. Weaver Company, ruberoid	26 50
347	S. W. Coggeshall, screws and washers	60
348	John M. Friend, cement	22 72
349	J. K. Sullivan, gravel	3 68
350	Joseph P. Cotton, stone dust	6 75
351	John F. Sullivan, stone dust	6 75
352	Newport Gas Light Company, cinders	75
353	Dennis Shanahan, straw	2 46
354	George A. Weaver Company, lampblack, etc	2 10
355	J. K. Sullivan, gravel	5 55

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356	Wright Brothers, paint	$12 50
357	Ralph R. Barker, paint and brushes	8 80
358	S. W. Cogeshall, painter's dusters	90
359	Charles S. Goddard, cart repairs	4 50
360	M. F. Shea, cart repairs	1 50
361	George A. Weaver Company, waste, etc	2 59
362	J. T. O'Connell, marline	50
363	J. R. Chase, motor cycle repairs	3 70
364	S. W. Coggeshall, spikes	08
	Pay Rolls	1,306 09
	½ of Street Commissioner's Salary (Assumed)	750 00
		$45,477 93

PUBLIC RECREATIONS

April

2	Wright Brothers, bronzite	$2 50

May

	Pay Rolls	49 13
		$51 63

June

8	John F. Sullivan, stone dust	$13 69
9	J. K. Sullivan; gravel,	2 31
10	Alexander J. Fludder, cement	63 36
11	John M. Friend, cement	25 74
12	A. & H. G. Hammett, cement	3 35
13	George A. Weaver Co.. repairing lawn mower, etc..	5 20
14	Newport Ship Yard, pier repairs	160 00
15	The Burbidge Company, pier repairs	59 97
16	Wm. B. Scott & Company, broom	60
	Pay Rolls	330 91
		$716 76

July

19	Newport Ship Yard, pier repairs	$27 00
20	The Burbidge Company, pier repairs	34 65
	Pay Rolls	91
		$779 32

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September

28	M. F. Shea, pier repairs	3 85
		$783 17

October

30	The Peckham Company, princess metallic	$ 60
31	S. W. Coggeshall, oil	2 55
	Pay Rolls	14 75
		$801 07

November

	Pay Rolls	9 00
		$810 07

PUBLIC RECREATIONS

MISCELLANEOUS

January

	Pay Rolls	$1 38

March

1	J. K. Sullivan, installing fountain	114 82
		$116 20

April

3	Stephen L. Goddard, fountain repairs	$5 40
4	J. D. Johnston, pole	75
		$122 35

May

5	Philip F. Conroy, globes	$4 80
6	Stephen L. Goddard, fountain repairs	12 88
7	Philip F. Conroy, bronze pedestal	90 00
	Pay Rolls	21 75
		$251 78

June

17	W. F. Gratrix, sponge	$1 00
18	Stephen L. Goddard, fountain repairs	5 25
	Pay Rolls	110 51
		$368 54

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July

21	Jacob Mohr, fountain repairs	$2 40
22	P. F. Conroy, plug	05
23	Downing Brothers, sulphur	1 00
24	S. W. Coggeshall, hand saws	3 25
25	Jas. H. Donovan, tool repairs	3 00
26	George A. Weaver Company, saw handle	15
27	Wm. B. Scott & Company, saw handle	25
	Pay Rolls	275 43
		$654 07

August

	Pay Rolls	$15 00
		$669 07

September

29	Jas. H. Donovan, tool repairs	$1 25
	Pay Rolls	12 33
		$682 65

October

32	James H. Donovan, repairing tools	$2 50
	Pay Rolls	84 12
		$769 27

November

33	Sullivan Brothers, repair fountain	$4 55
	Pay Rolls	21 88
		$795 70

December

34	M. F. Shea, tool repairs	$ 20
	Pay Rolls	2 75
		$798 65

PUBLIC DOCKS AND WHARVES

January

1	Perry Coal Co., fuel	$13 70
	Pay Rolls	67 50
		$81 20

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February

2	D. J. Sullivan & Company, fuel	$7 00
3	Walsh Brothers, stove	27 05
4	Wm. K. Covell, stove grate	1 25
5	Wm. B. Scott & Company, broom	60
6	Newport Paper & Grocery Company, toilet	84
	Pay rolls	54 00
		$171 94

March

7	D. J. Sullivan & Company, fuel	$21 00
	Pay Rolls	55 13
		$248 07

April

8	Wm. K. Covell, coal hod	$ 60
9	J. T. O'Connell, paint	8 00
10	Ralph R. Barker, paint	3 90
11	Newport Shipyard, pitch	1 00
12	J. M. K. Southwick, oakum	70
	Pay rolls	84 00
		$346 27

May

13	J. K. Sullivan, lifting and lowering float	$19 90
	Pay Rolls	56 63
		$422 80

June

14	Wm. B. Scott & Company, broom	45
15	Newport Paper & Grocery Company, toilet	1 00
16	The Burbidge Company, repairing brows	148 32
	Pay Rolls	54 00
		$626 57

July

	Pay Rolls	$80 88
		$707 45

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August

17	Newport Paper & Grocery Company, toilet	$ 84
	Pay Rolls	54 00
		$762 29

September

	Pay Rolls	$54 00
		$816 29

October

18	D. J. Sullivan & Company, fuel	$7 00
	Pay Rolls	67 50
		$890 79

November

19	Newport Paper & Grocery Company, toilet	$ 85
	Pay Rolls	54 00
		$945 64

December

20	D. J. Sullivan & Company, fuel	$7 00
21	Walsh Brothers, chairs	10 00
22	Wm. K. Covell, stove	22 00
	Pay Rolls	71 75
		$1,056 39

NON-APPORTIONED

January

Stable:

1	H. L. Marsh & Company, forage	$278 33
2	The Texas Company, gasoline	5 79
3	James McBride, medicine	8 00
4	George A. Weaver Company, blanket, etc	3 98
5	S. W. Coggeshall, solarine	1 50
6	Wm. B. Scott & Company, axle grease	2 00
7	O. R. Braman, supplies and repairs	23 20
8	Charles S. Goddard, cart repairs	2 50
9	J. D. Johnston, lumber	25 19
10	M. F. Shea, cart repairs	11 70
11	P. F. Clark & Co., shoeing	9 00
12	P. M. Shea, shoeing	20 75

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13	Daniel Beard, shoeing	$8 63
14	Daniel J. Sullivan, shoeing	15 59
15	Shreenan & Sullivan, shoeing	12 12
	Pay Rolls	99 00

Rollers :

16	Frank E. Fitts Mfg. & Supply Co., packing	14 95
17	Ralph R. Barker, paint	1 95
18	Buffalo Steam Roller Company, repairs	513 21
19	Highways & Bridges, express	65
20	N. Y., N. H. & H. R. R. Co., freight	5 35
21	Harold L. Bond Company, gauge glasses	96
22	J. D. Johnston, lumber	35
23	Charles S. Goddard, iron	15
24	Lynch Brothers, nipples	2 29
25	George A. Weaver Company, emery paper	1 35
26	O. R. Braman, supplies	25
	Pay Rolls	270 00
		$1,338 74

February

Stable :

27	J. G. Stevens, forage	$190 61
28	The Texas Company, gasoline	5 79
29	Heath & Collins, medicine	15 00
30	George Stanhope, soap	4 25
31	George A. Weaver Company, salt	2 50
32	W. F. Gratrix, harness repairs	4 65
33	Daniel Beard, shoeing	5 13
34	Daniel J. Sullivan, shoeing	13 26
35	Shreenan & Sullivan, shoeing	6 00
36	P. M. Shea, shoeing	10 00
37	Peter F. Clark & Company, shoeing	4 50
	Pay Rolls	72 50

Rollers :

38	D. J. Sullivan & Company, fuel	5 45
39	Ralph R. Barker, lead	1 57
40	Wright Brothers, bronzite	2 50
41	Walworth Manufacturing Company, packing	13 93
42	Highways & Bridges, express	85
43	George A. Weaver Company, copper screen	20
44	Charles S. Goddard, iron	15
45	Lynch Brothers, repairs	7 53
	Pay Rolls	224 75
		$1,929 86

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March

Stable:

46	Dennis Shanahan, forage	$207 29
47	Newport Gas Light Company, gas	8 47
48	Oliver F. Wilcox, witch hazel	25
49	Ralph R. Barker, paint	5 22
50	The Peckham Company, princess metallic	30
51	Henry H. Lawton, supplies	15 25
52	S. W. Coggeshall, rivets	1 00
53	J. R. Chase, motor cycle repairs	17 44
54	P. M. Shea, shoeing	11 64
55	Daniel J. Sullivan, shoeing	10 13
56	Peter F. Clark & Company, shoeing	5 25
57	Daniel Beard, shoeing	8 13
58	Shreenan & Sullivan, shoeing	4 50
	Pay Rolls	127 12

Crusher:

59	Newport Foundry & Machine Corp., babbitt	$25 00
60	S. W. Coggeshall, putty	55
	Pay Rolls,	50 75

Rollers:

61	J. T. O'Connell, varnish	8 00
62	Ralph R. Barker, paint	50
63	Wright Brothers, paint	10 00
64	Buffalo Steam Roller Company, grease	7 50
65	Charles S. Goddard, tool repairs	50
66	Main Belting Company, belts	4 90
67	Walworth Manufacturing Company, packing	1 80
68	New England Navigation Company, repairs	1 78
69	Highways and Bridges, express	2 25
	Pay Rolls	216 00
		$2,681 38

April

Materials:

70	Schooner "Mary B Wellington," freight curb	$413 80
71	Hooper, Havey & Company, curb & culls,	1,186 08

Stable:

72	H. L. Marsh & Company, forage	293 07
73	Texas Oil Company, gasoline	5 79
74	J. D. Johnston, lumber	4 02
75	Dudley P. Bacheller, buggy repairs	15 30
76	M. F. Shea, cart repairs	17 75

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77	Charles S. Goddard, cart repairs	$5 75
78	Ralph R. Barker, paint	1 50
79	A. & H. G. Hammett, lumber	2 26
80	William B. Scott & Company, axle grease	2 00
81	S. W. Coggeshall, solarine, etc	1 85
82	Henry Biesel & Son, supplies	17 95
83	Daniel J. Sullivan, shoeing	5 63
84	Peter F. Clark & Company, shoeing	9 00
85	P. M. Shea, shoeing	10 25
86	Shreenan & Sullivan, shoeing	4 50
87	Daniel Beard, shoeing	5 13
	Pay Rolls	299 62
Crusher :		
88	D. J. Sullivan & Company, fuel	129 36
89	J. M. K. Southwick, explosives	33 50
90	Barker Brothers & Company, pipe	6 64
91	Alexander J. Fludder, pipe	1 44
92	A. & H. G. Hammett, lumber	5 42
93	Ralph R. Barker, glass	32
94	Providence Oil Company, belt dressing,	8 55
95	W. L. Nordling, oils	18 41
96	William B. Scott & Company, brooms	1 95
97	Harold L. Bond Company, repairs	3 45
98	Charles J. Beattie, repairs	36 53
99	McKiernan-Terry Drill Company, repairs	44 30
100	W. W. Tupper & Company, repairs	32 02
101	New England Navigation Company, freight	54
102	Main Belting Company, lace	7 31
103	Aquidneck Machine Works & Garage, repair shaft	1 00
104	Lynch Brothers, repairs	5 60
105	G. H. Burnham, repairs	2 07
106	Highways and Bridges, express	2 10
107	S. W. Coggeshall, tools, etc	4 00
108	George A. Weaver Company, supplies	4 95
109	City Sealer, testing scales	1 50
	Pay Rolls	$1,024 93
Rollers :		
110	D. J. Sullivan & Company, fuel	138 22
111	W. L. Nordling, oils	68 49
112	Ralph R. Barker, varnish	1 25
113	George A. Weaver Company, shovel, etc	1 50
114	William K. Covell, oil can, etc	1 35
115	S. W. Coggeshall, oiler	40
116	Harold L. Bond Company, packing, etc	10 00
117	Highways and Bridges, express	35

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118	J. T. O'Connell, rope	$4 27
	Pay Rolls	81 00
Stable:		
119	J. K. Sullivan, auto repairs	49 70
		$6,715 05

May

Stable:		
120	J. G. Stevens, forage	$228 15
121	William B. Scott & Company, axle grease	2 00
122	Dalton E. Young, camphor balls	15
123	John M. Callahan, liniment	1 00
124	Downing Brothers, witch hazel, etc	1 25
125	The Texas Company, gasoline	6 34
126	M. F. Shea, cart repairs	6 25
127	Phineas C. Clark, cart repairs	4 00
128	Oliver R. Braman, harness repairs, etc	36 60
129	J. R. Chase, auto and motor cycle repairs	37 75
130	Daniel Beard, shoeing	10 26
131	Shreenan & Sullivan, shoeing	4 50
132	Daniel J. Sullivan, shoeing	12 63
133	P. M. Shea, shoeing	14 88
134	Peter F. Clark & Company, shoeing	4 81
	Pay Rolls	68 91
Crusher:		
135	D. J. Sullivan & Company, fuel	124 48
136	J. M. K. Southwick, explosives	44 10
137	A. & H. G. Hammett, lumber	2 25
138	The Milne Printery, printing	13 50
139	Providence Oil Company, grease	3 60
140	S. W. Coggeshall, file	22
141	Main Belting Company, lace	7 31
142	Highways and Bridges, express	30
143	Philip F. Conroy, pipe	21
144	Lynch Brothers, repairs	1 01
	Pay Rolls	1,010 82
Rollers:		
145	D. J. Sullivan & Company, fuel	120 02
146	William K. Covell, can	85
147	S. W. Coggeshall, axe handle	25
148	Buffalo Steam Roller Company, grease	7 50
149	Highways and Bridges, express	1 00
150	W. L. Nordling, kerosene	4 50
151	Charles S. Goddard, repairs	75

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Materials:

152	Highways and Bridges, freight	$2 14
		$8,499 34

June

Materials:

153	Schooner "Charlie & Willie," freight curb	$274 04
154	Hooper, Havey & Company, curb	858 58
155	Fuller Iron Works, manhole covers and rims	54 00

Stable:

156	Dennis Shanahan, forage	214 39
157	W. F. Gratrix, supplies	8 65
158	Dudley P. Bacheller, buggy repairs	6 14
159	George A. Weaver Company, supplies	2 35
160	S. W. Coggeshall, solarine	1 50
161	William B. Scott & Company, pails	2 00
162	J. R. Chase, auto repairs	44 25
163	The Texas Company, gasoline	7 99
164	Shreenan & Sullivan, shoeing	4 50
165	Daniel J. Sullivan, shoeing	6 75
166	P. M. Shea, shoeing	11 13
167	Daniel Beard, shoeing	5 13
	Pay Rolls	79 00

Crusher:

168	D. J. Sullivan & Company, fuel	110 48
169	J. M. K. Southwick, explosives	73 50
170	A. & H. G. Hammett, lumber	72
171	W. L. Nordling, oils	79 18
172	Providence Oil Company, belt dressing	8 55
173	S. W. Coggeshall, bit	45
174	Julius Burdick, steam gauge	3 00
175	Frank E. Fitts Mfg. & Supply Co., packing	9 79
176	Main Belting Company, belt	4 79
177	McKiernan-Terry Drill Company, repairs	13 00
178	Walworth Manufacturing Company, washers	60
179	Highways and Bridges, express	1 20
	Pay Rolls	1,092 48

Rollers:

180	D. J. Sullivan & Company, fuel	125 48
181	J. T. O'Connell, cotton waste	34 80
182	Lynch Brothers, packing, etc	2 48
183	George A. Weaver Company, supplies	55
		$11,640 79

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July

Stable:

184	H. L. Marsh & Company, forage	$285 15
185	Charles S. Goddard, cart repairs	3 25
186	M. F. Shea, cart repairs	20 50
187	A. & H. G. Hammett, cart repairs	5 16
188	George A. Weaver Company, carriage bolts	33
189	Oliver R. Braman, supplies	4 10
190	Henry H. Lawton, supplies	10 80
191	Dr. C. Horseman, vet. services and medicine	8 00
192	J. R. Chase, motor cycle repairs	4 70
193	P. M. Shea, shoeing	16 76
194	Shreenan & Sullivan, shoeing	4 50
195	Peter F. Clark & Company, shoeing	4 81
196	Daniel J. Sullivan, shoeing	8 13
197	Daniel Beard, shoeing	5 13
	Pay Rolls	91 50

Crusher:

198	D. J. Sullivan & Company, fuel	135 75
199	J. M. K. Southwick, explosives	43 50
200	A. & H. G. Hammett, lumber	1 68
201	W. L. Nordling, oil	11 25
202	Newport Paper & Grocery Company, oatmeal	4 15
203	M. F. Shea, repairs	2 50
204	P. F. Conroy, pipe fittings	86
205	Lynch Brothers, saw blades, etc	44
206	S. W. Coggeshall, putty	45
207	Newport Foundry & Machine Corporation, babbitt	2 75
208	The Congdon & Carpenter Company, spelter	9 81
209	Highways and Bridges, freight	20
	Pay Rolls	1,345 09

Rollers:

210	D. J. Sullivan & Company, fuel	160 05
211	W. L. Nordling, oils	68 66
212	The Peckham Company, hose	15 00
213	George A. Weaver Company, pail	60
214	H. L. Marsh & Company, bag	25
215	Wm. K. Covell, repairs	50
216	Lynch Brothers, repairs	35
217	Buffalo Steam Roller Company, repairs	75

Materials:

218	American Asphaltum & Rubber Co., asphalt	496 44
219	U. S. Cast Iron Pipe & Foundry Co., pipe	99 55

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220	N. Y., N. H. & H. R. R. Co., freight	$14 49
221	Alexander J. Fludder, cement	23 76
222	W. L. Nordling, kerosene	5 40
		$14,557 84

August

Stable:

223	J. G. Stevens, forage	$195 75
224	A. & H. G. Hammett, lumber	98
225	Henry Biesel & Son, supplies	54 85
226	William F. Gratrix, sheet	2 15
227	William B. Scott & Company, axle grease	2 00
228	M. F. Shea, repairs	15 00
229	Charles S. Goddard, hooks,	20
230	Thomas G. Owen, auto repairs	60 45
231	P. F. Clark & Company, shoeing	9 62
232	P. M. Shea, shoeing	11 15
233	Daniel Beard, shoeing	5 13
234	Shreenan & Sullivan, shoeing	6 75
235	Daniel J. Sullivan, shoeing	10 64
	Pay Rolls	60 00

Crusher:

236	D. J. Sullivan & Company, fuel	124 48
237	J. M. K. Southwick, explosives	43 50
238	W. L. Nordling, oils	18 14
239	Providence Oil Company, belt dressing	9 75
	Pay Rolls	1,133 33

Rollers:

240	D. J. Sullivan & Company, fuel	124 33
241	Wm. B. Scott & Company, pail, etc	60
242	George A. Weaver Company, solarine	1 50
243	Walworth Manufacturing Company, repairs	66

Materials:

244	W. L. Nordling, kerosene	9 00
		$16,457 80

September

Stable:

245	Dennis Shanahan, forage	179 05
246	John M. Callahan, liniment	1 75
247	J. R. Chase, motor cycle repairs	2 75
248	Oliver R. Braman, supplies	11 95

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249	George A. Weaver Company, salt	$1 80
250	J. R. Chase, auto repairs	76 20
251	Shreenan & Sullivan, shoeing	2 25
252	Peter F. Clark & Company, shoeing	75
253	Daniel J. Sullivan, shoeing	7 63
254	P. M. Shea, shoeing	10 25
255	Daniel Beard, shoeing	5 13
	Pay Rolls	76 50
Crusher:		
256	D. J. Sullivan & Company, fuel	14 00
257	J. M. K. Southwick, explosives	12 00
258	A. & H. G. Hammett, lumber	98
259	Ralph R. Barker, paint	2 70
	Pay Rolls	340 13
Rollers:		
260	D. J. Sullivan & Company, fuel	90 07
261	W. L. Nordling, kerosene	5 40
Materials:		
262	Alexander J. Fludder, cement	13 70
		$17,312 79

October

Stable:		
263	H. L. Marsh & Company, forage	201 52
264	Wm. B. Scott & Company, grease	2 00
265	W. F. Gratrix, supplies	3 65
266	Dr. C. Horseman, vet. services and medicine	6 00
267	M. F. Shea, cart repairs	13 50
268	Dudley P. Bacheller, buggy repairs	4 75
269	Charles S. Goddard, repair hames	75
270	J. R. Chase, motor cycle repairs	10 75
271	Daniel Beard, shoeing	5 13
272	P. M. Shea, shoeing	11 14
273	Daniel J. Sullivan, shoeing	9 13
274	Peter F. Clark & Company, shoeing	5 56
275	Shreenan & Sullivan, shoeing	6 75
	Pay Rolls	97 75
Crusher:		
276	A. & H. G. Hammett, lumber	5 52
	Pay Rolls	49 16

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Rollers:

	Pay Rolls	$34 50
		$17,780 35

November

Stable:

277	J. G. Stevens, forage	$159 48
278	Henry H. Lawton, supplies and repairs	10 45
279	S. W. Coggeshall, solarine, etc	2 20
280	Julius Burdick, gasoline	16 80
281	Peter F. Clark & Company, shoeing	5 56
282	Daniel Beard, shoeing	5 13
283	Daniel J. Sullivan, shoeing	6 25
284	Shreenan & Sullivan, shoeing	2 25
285	P. M. Shea, shoeing	3 38
	Pay Rolls	91 87

Rollers:

286	W. L. Nordling, kerosene	3 60
	Pay Rolls	180 00

Materials:

287	John M. Friend, cement	7 10
		$18,274 42

December

Stable:

288	Dennis Shanahan	$144 70
289	Newport Gas Light Company, gas	2 97
290	Downing Brothers, prescription	3 50
291	Oliver R. Braman, chain shoes, etc	24 15
292	S. W. Coggeshall, chain shoes	8 00
293	Charles S. Goddard, repair chain	40
294	M. F. Shea, cart repairs	8 00
295	Dudley P. Bacheller, repair express wagon	21 80
296	The Texas Company, gasoline	41 83
297	J. R. Chase, motor cycle and auto repairs	3 75
298	Daniel Beard, shoeing	5 13
299	Peter F. Clark & Company, shoeing	4 81
300	Daniel J. Sullivan, shoeing	7 63
301	Shreenan & Sullivan, shoeing	4 50
302	P. M. Shea, shoeing	7 01
	Pay Rolls	143 75

Rollers:

	Pay Rolls	54 00

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Materials:

303	John M. Friend, cement	$ 7 10
304	Alexander J. Fludder, cement	7 85
		$18,775 30
	Total	$119,359 51

Respectfully submitted,

J. K. SULLIVAN,
Street Commissioner.

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Annual Report of the Street and Highway Department

City of Newport, Rhode Island
Municipal Year of 1913

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ANNUAL REPORT

OF THE

Street Commissioner

OF THE

CITY OF NEWPORT

1913

J. K. SULLIVAN, Street Commissioner, 1913
F. M. SISSON, Clerk

WILLIAM HAMILTON, Street Commissioner, 1914

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Annual Report of Street Commissioner

December 31, 1913.

To the Honorable Representative Council of the City of Newport:

Gentlemen:—I respectfully submit the following report of the operations of the Department of Highways and Bridges for the municipal year of Nineteen hundred and thirteen.

STATISTICS

This office has carefully prepared and revised the following statistics from the records of the department, viz:

Streets

	Mileage
Granite Block Pavement	1.69
Bitulithic and Granite Block Pavement	1.56
Telford Macadam	13.89
Telford Macadam with Tarvia Macadam Top	.18
Telford Macadam with Asphalt Macadam Top	1.48
Macadam	41.94
Asphalt Macadam	2.26
Tarvia Macadam	.80
Tarvia	.21
Cobble	.51
Dirt	27.10
Total	91.62

Sidewalks

	Mileage
Granolithic	18.710
Granolithic and Dirt	.748
Flagstone	2.598
Flagstone and Cobble	.145
Flagstone and Dirt	1.428
Brick	2.895
Asphalt	.603
Asphalt Block	.485
Plank	.313
Dirt	87.154
Total	115.079

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Gutters

Granite Culls	$18.06
Cobbles	36.55
Flagstone and Cobbles	.92
Total	55.53

Curb

Bluestone	40.698
Granite	16.203
Granolithic	1.853
Total	58.754

Sewers

Vitrified Pipe	40.817
Cast Iron Pipe	.817
Circular Brick	4.727
Brick	1.449
Stone	.516
Tunnel	.388
Cement Pipe	.104
Total	48.818

City Wharf

Various repairs have been made to the stable and sheds located on City Wharf. The fence, which was blown down during a heavy wind storm, about a year ago, has been rebuilt. Expenditures were as follows, viz:

Repairs to Stable and Sheds,	$171 21
Rebuild Fence,	68 84
Total,	$240 05

Appropriation, $500 00; Balance, $259 95.

I again call your attention to the fact that the department needs entire new quarters. The buildings are worn out, and should be replaced with one large building to accommodate everything under one roof, similar to those enjoyed by street departments of other cities.

Horses and Carts

One pair of horses was purchased this year from Mr. John F. Sullivan, for the sum of Five hundred and Fifty dollars ($550 00,) including two horses in exchange.

Appropriation, $750 00; Balance, $200 00.

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I recommend the purchase of two or three horses next year, to replace worn out horses.

Carts and gears are repaired and painted by the permanent employees of the department during the winter months.

Snow Removal

Not for years has this department been so fortunate regarding the expenditure for the removal of snow. The storms this year have been few and very light. Comparing the cost this year with the figures for the past ten years will give you some idea of the unability of anyone to estimate such an uncertainty.

Appropriation, $3500 00; Expenditure $111 03; Balance $3388 97

Snow Removal Expense for Eleven Years:

1903	$8049 17
1904	1860 55
1905	2752 04
1906	620 42
1907	4087 16
1908	1680 76
1909	804 54
1910	3363 95
1911	1871 61
1912	1466 11
1913	111 03
Total	$26667 34

This makes an average cost per year for the past eleven years of $2,424.33.

Settling Tank

The Settling Tank, located on Briggs Wharf, has received its annual cleaning at an expense of $391.14

Numerous repairs have been made to the building, including concrete foundation and sills, amounting to $282 58, making a total cost of $673 72. Appropriation, $700 00; Balance, $26 28.

STREET CLEANING

The permanent pavements have received much more attention this year owing to the fact that they have been free from snow and ice.

The cleaning of all other streets commenced on the 3rd. of April and continued until November 5th. when the work was shut down until next spring. The street cleaning force is divided into five sections; two of which cover the city proper; two cover the suburban districts, including the mowing of grass, weeding, etc., and one sec-

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tion covers Bellevue Avenue. The total number of loads removed this year was 8,620.

From our card index system we submit the following table, showing the amount of work done by this part of the department, viz :

Cleaning the Streets, Season 1913

Permanent Pavements	Miles	Sq. Yds.	Cost
Broadway	181 4	5959 056	
Washington Square	69 6	2448 146	$2318 32
Long Wharf	137 5	1853 080	971 42
Spring Street	711 9	8965 000	2550 50
Thames Street	842 4	10832 096	6568 81
	1942 8	30057 378	$12409 05
Bellevue Avenue	700 7	12849 345	1853 37
All other streets	698 5	10946 581	15479 20
	3420 0	53853 304	$29741 62

CLEAN UP DAYS

Through the efforts of Mayor MacLeod, we endeavored to establish "Clean-up-days" this year. Friday and Saturday, June 27th, and 28th, were the days selected, and the co-operation of every citizen was requested. Yards were cleaned up, the material placed in the streets and collected by teams of this department.

Local teams were to be furnished "free gratis" for this "clean-up endeavor," but somehow, through some misunderstanding the teams did not make their appearance. However, considerable material was collected and carted to the dump, which shows conclusively that the inspiration of "Clean-up-days" must have done some good. The expense was $61 24. Street Cleaning Appropriation, $30,000 00 ; Expenditure, $29,809 11 ; Balance, $190 89.

Refuse Disposal

The City Refuse was collected during the first of the year by Mr. John H. Sullivan under short term contracts until March 24th, when the Honorable Board of Aldermen made a five-year contract with Neffer & Hattub, at the rate of $10,100.00 per year.

Collections by both contractors have been quite satisfactory, this department receiving very few complaints.

Two men are employed at the dumps to level off, burn rubbish, etc. The dump at Anthony's Ledge was abandoned on April 26th.

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DETAIL COST

Collection and disposal by John H. Sullivan..	$2232 75
Collection and disposal by Neffer & Hattub..	7800 91
Total cost of collection and disposal.....	$10033 66
Labor of two men at dumps, etc.....	1410 61
Total cost.....	$11444 27

Refuse Cans

Through the efforts of some ladies connected with the Civic League, who appeared before your committee on Highways and Bridges, and by the recommendation of said committee, your Honorable Body made an appropriation of two hundred dollars for installing a few refuse cans.

Being unable to locate anyone in this City who could make the cans, I purchased two dozen Refuse Cans of the Dyar Supply Company of Boston, Mass., at the rate of $50.00 per dozen. The cans were installed by employees of this department, but were not very favorably received by some of the abutters, where they were installed, and some of them had to be located elsewhere. One of the cans, located at the State Armory Building, was damaged by a skidding automobile, and was replaced, but later this can was also damaged by an auto. We have one can on hand at City Yard.

The Refuse Cans are located as follows, viz. :

Downing Street & Bellevue Avenue.
Freebody Street & Bath Road.
Bath Road at entrance to Cliff Walk.
Levin Street & Thomas Street.
Spring Street at entrance to Aquidneck Park.
Spring Street & Dearborn Street.
Coggeshall Avenue at entrance to Morton Park.
West Narragansett Avenue & Thames Street.
Lee Avenue & Thames Street.
Thames Street, at Ann Street Pier, (State Armory.)
Ferry Wharf.
West Marlborough Street at Fire Dept. Headquarters.
Marlborough Street & Farewell Street.
West Broadway near Easton's Stable.
West Broadway near Caleb Earl Street.
Mary Street at Charity Organization Society.
Division Street & Touro Street.
Washington Square at west point of Mall.
Park, east side of Broadway, opposite Gould Street.

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Farewell Street near Liberty Tree.
Brinley Street near Kay Street.
Washington Street foot of Battery Street.
Appropriation, $200.00; expenditure, $187.02; balance, $12.98.

Cleaning Catch Basins and Eyes.

As in previous years, four men with cart were employed, weather permitting, in cleaning and flushing catch basins and eyes. 1,726 catch basins and 1,161 eyes were cleaned and flushed this year, at an expense of $3,514.21. Loads removed, 1,581.

Catch Basins and Eyes.

	Catch Basins.	Eye-holes.	Total
Total number last year,	463	278	741
Located during 1913,	1	15	16
Built during 1913,	13	16	29
Total to date,	477	309	786

Cleaning Main Sewers

The cleaning and flushing of our sewerage system is performed by four competent men, who are employed throughout the year. We have now over forty-eight miles of sewers, which were cleaned this year at an expense of $2,632.15. Average cost per mile, $54.84.

During the fiscal year, this department has inspected 114 individual sewer connections.

Street Sprinkling

WATERING STREETS.

The watering of our streets commenced this year on the first day of May with 14 carts, and on May 5th, one cart was added. On the 19th day of June, two of the carts were retired by the applying of dustoline to a number of streets, which were always watered. Watering the streets was continued until November 27th.

This year, the department has experienced the dryest season ever remembered. For a number of years, the summer season has been very dry, but the past season was exceptionally so. If we had not applied dustoline to a number of streets not formerly so treated, and if we had not had that very wet weather during the month of October, it is doubtful if this department would have been able to control the dust properly with the amount appropriated.

The total cost of watering this year was $9,597.78, or about $184.57 per mile for the season. Fifty-two miles of streets were watered on an average of twice daily.

The following statistics will give you the amount of work performed by each cart.

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STREET WATERING

Double Cart No. 25. Capacity 600 gals.

Loads per day—Fresh, 26; Salt, None. Gallons Used per day Fresh, 15,600; Salt, None.

1913	Days	Totals. Gallons of water Used. Fresh	Salt	Total	Mileage of Streets Watered. Fresh	Salt	Total	Area of Streets Watered. Fresh	Salt	Total
May	20-4	319,800	.....	319,800	310.58	.....	310.58	5,538,649	.....	5,538,649
June	21-4	335,400	.....	335,400	325.72	.....	325.72	5,808,827	.....	5,808,827
July	26-3	411,450	.....	411,450	150.34	.....	150.34	2,578,156	.....	2,578,156
Aug.	19-2	300,300	.....	300,300	109.72	.....	109.72	1,881,688	.....	1,881,688
Sept.	13-4	210,600	.....	210,600	76.95	.....	76.95	1,319,625	.....	1,319,625
Oct.	5-4	85,800	.....	85,800	31.35	.....	31 35	537,625	.....	537,625
Nov.	6-4	101,400	.....	101,400	37.05	.....	37.05	635,375	.....	635,375
	113-1	1,764,750	.....	1,764,750	1,041.71	.....	1,041.71	18,299,945	.....	18,299,945

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STREET WATERING

Double Cart No. 26. Capacity 600 gals.

Loads per day—Fresh, 24 ; Salt, 2. Gallons Used per day—Fresh, 14,400 ; Salt, 1,200.

		Totals. Gallons of Water Used.			Mileage of Streets Watered			Area of Streets Watered.		
1913	Days	Fresh	Salt	Total	Fresh	Salt	Total	Fresh	Salt	Total
April	6	86,400	7,200	93,600	63.42	2.28	65.70	834,456	53,328	887,784
May	13	187,200	15,600	202,800	137.41	4.94	142.35	1,807,988	115,544	1,923,532
	19	273,600	22,800	296,400	200.83	7.22	208.05	2,642,444	168,872	2,811,316

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STREET WATERING

Double Cart No. 27. Capacity 600 gals.

Loads per day—Fresh 28 ; Salt None. Gallons Used per day Fresh 16,800 ; Salt None.

1913	Days	Totals. Gallons of Water Used. Fresh	Salt	Total	Mileage of Streets Watered. Fresh	Salt	Total	Area of Streets Watered. Fresh	Salt	Total
April	1	16,800	.....	16,800	6.46	.....	6.46	124,014	.....	124,014
May	25 4	428,400	.....	428,400	164.73	.....	164.73	3,162,357	.....	3,162,357
June	25 4	428,400	.....	428,400	128.52	.....	128.52	2,323,203	.....	2,323,203
July	27 7	468,300	.....	468,300	140.49	.....	140.49	2,539,590	.....	2,539,590
Aug.	23 2	390,600	.....	390,600	117 18	.....	117.18	2,118,214	.....	2,118,214
Sept.	21 4	361,200	.....	361,200	108.36	.....	108.36	1,958,779	.....	1,958,779
Oct.	11 2	189,000	.....	189,000	56.70	.....	56.70	1,024,943	.....	1,024,943
Nov.	14 6	247,800	.....	247,800	74.34	.....	74.34	1,343,813	.....	1,343,813
	150 5	2,530,500	.....	2,530,500	796.78	.....	796.78	14,594,913	.....	14,594,913

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STREET WATERING

Double Cart No. 28. Capacity 600 gals.

Loads per day—Fresh, 26; Salt, None. Gallons used per day—Fresh, 15,600; Salt, None.

		Totals. Gallons of Water Used.			Mileage of Streets Watered.			Area of Streets Watered.		
1913	Days	Fresh	Salt	Total	Fresh	Salt	Total	Fresh	Salt	Total
May	20-4	319,800	.....	319,800	83.03	.....	83.03	1,007,821	.....	1,007,821
June	14	218,400	.....	218,400	56.70	.....	56.70	688,268	.....	688,268
	34-4	538,200	.....	538,200	139.73	.....	139.73	1,696,089	.....	1,696,089

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STREET WATERING

Double Cart No. 29. Capacity 600 gals.

Loads per day—Fresh 26; Salt None. Gallons Used per day—Fresh 15,600; Salt None.

1913	Days	Totals. Gallons of Water Used. Fresh	Salt	Total	Mileage of Streets Watered. Fresh	Salt	Total	Area of Streets Watered. Fresh	Salt	Total
May	19 4	304,200	.....	304,200	203.19	.....	203.19	3,292,848	.....	3,292,848
June	22	343,200	.....	343,200	179.30	.....	179.30	2,928,024	.....	2,928,024
July	27 3	427,050	.....	427,050	223.11	.....	223.11	3,643,394	.....	3,643,394
Aug.	21 2	331,500	.....	331,500	173.19	.....	173.19	2,861,478	.....	2,861,478
Sept.	17 4	273,000	.....	273,000	142.62	.....	142.62	2,329,110	.....	2,329,110
Oct.	5 4	85,800	.....	85,800	44.82	.....	44.82	732,006	.....	732,006
Nov.	7	109,200	.....	109,200	61.18	.....	61.18	996,422	.....	996,422
	120 1	1,873,950	.....	1,873,950	1,027.41	.....	1,027.41	16,783,282	.....	16,783,282

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STREET WATERING

Double Cart No. 30. Capacity 600 gals.

Loads per day—Fresh, 10; Salt, 10. Gallons Used per day—Fresh, 6,000; Salt 6,000.

		Totals. Gallons of Water Used.			Mileage of Streets Watered.			Area of Streets Watered.		
1913	Days	Fresh	Salt	Total	Fresh	Salt	Total	Fresh	Salt	Total
May	18	108,000	108,000	216,000	129.42	18.90	148.32	2,196,792	541,944	2,738,736
June	23-4	141,000	141,000	282,000	137.71	24.68	162.39	2,340,882	707,538	3,048,420
July	26-3	158,250	158,250	316,500	154.56	27.69	182.25	2,627,267	794,098	3,421,365
Aug.	21	126,000	126,000	252,000	123.06	22.05	145.11	2,091,852	632,268	2,724,120
Sept.	15	90,000	90,000	180,000	87.90	15.75	103.65	1,494,180	451,620	1,945,800
Oct.	1-4	9,000	9,000	18,000	8.79	1.57	10.36	149,418	45,162	194,580
	105-3	632,250	632,250	1,264,500	641.44	110.64	752.08	10,900,391	3,172,630	14,073,021

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STREET WATERING

Double Cart No. 31. Capacity 600 gals.

Loads per day—Fresh, None ; Salt 12. Gallons Used per day Fresh, None ; Salt 7,200.

1913	Days	Totals. Gallons of Water Used. Fresh	Salt	Total	Mileage of Streets Watered. Fresh	Salt	Total	Area of Streets Watered. Fresh	Salt	Total
May	20 4	.....	147,600	147,600	.....	127.10	127.10	.....	2,242,454	2,242,454
June	23	.....	165,600	165,600	.....	107.64	107.64	.....	2,021,700	2,021,700
July	26 3	.....	189,900	189,900	.....	123.44	123.44	.....	2,318,363	2,318,363
Aug.	21	.....	151,200	151,200	.....	98.28	98.28	.....	1,845,900	1,845,900
Sept.	15	.....	108,000	108,000	.....	70.20	70.20	.....	1,318,500	1,318,500
Oct.	1 4	.....	10,800	10,800	.....	7.02	7.02	.....	131,850	131,850
	107 3	.....	773,100	773,100	.....	533.68	533.68	.....	9,878,767	9,878,767

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STREET WATERING

Double Cart No. 32. Capacity 700 gals.

Loads per day—Fresh, 25 ; Salt, None. Gallons Used per day—Fresh, 17,500 ; Salt, None.

		Totals. Gallons of Water Used.			Mileage of Streets Watered.			Area of Streets Watered.		
1913	Days	Fresh	Salt	Total	Fresh	Salt	Total	Fresh	Salt	Total
May	19-4	341,250	.....	341,250	191.69	.....	191.69	2,630,949	.....	2,639,949
June	22	385,000	.....	385,000	129.80	.....	129.80	1,693,208	.....	1,693,208
July	26-3	461,563	.....	461,563	140.84	.....	140.84	1,794,133	.....	1,794,133
Aug.	18-2	319,375	.....	319,375	92.16	.....	92.16	1,180,374	.....	1,180,374
Sept.	15	262,500	.....	262,500	75.75	.....	75.75	970,170	.....	970,170
Oct.	5-4	96,250	.....	96,250	27.77	.....	27.77	355,729	.....	355,729
Nov.	6-4	113,750	.....	113,750	32.83	.....	32.83	420,407	.....	420,407
	113-1	1,979,688	.....	1,979,688	690.84	.....	690.84	9,053,970	....	9,053,970

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STREET WATERING

Double Cart No. 33. Capacity 600 Gals.

Loads per day—Fresh, 27 ; Salt, None. Gallons Used per day—Fresh, 16,200 ; Salt, None.

		Totals. Gallons of Water Used.			Mileage of Streets Watered.			Area of Streets Watered.		
1913	Days	Fresh	Salt	Total	Fresh	Salt	Total	Fresh	Salt	Total
May	22-4	364,500	.....	364,500	233.10	.....	233.10	3,742,965	.....	3,742,965
June	23-6	384,750	.....	384,750	210.66	.....	210.66	3,200,645	.....	3,200,645
July	26-3	427,275	.....	427,275	233.95	.....	233.95	3,554,401	.....	3,554,401
Aug.	19	307,800	.....	307,800	163.59	.....	163.59	2,418,662	.....	2,418,662
Sept.	13-4	218,700	.....	218,700	116.23	.....	116.23	1,718,523	.....	1,718,523
Oct.	1-4	24,300	.....	24,300	12.92	.....	12.92	190,947	.....	190,947
	106-5	1,727,325	.....	1,727,325	970.45	.....	970.45	14,826,143	.....	14,826,143

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STREET WATERING

Single Cart No. 10. Capacity 350 gals.

Loads per day—Fresh, 38 ; Salt None. Gallons Used per day—Fresh, 13,300 ; Salt, None.

		Totals. Gallons of Water Used.			Mileage of Streets Watered.			Area of Streets Watered.		
1913	Days	Fresh	Salt	Total	Fresh	Salt	Total	Fresh	Salt	Total
May	19 4	259,350	.....	259,350	164.58	.....	164.58	2,282,163	.....	2,282,163
June	20	266,000	.....	266,000	148.20	.....	148.20	2,071,480	.....	2,071,480
July	22-3	297,588	.....	297,588	165.80	.....	165.80	2,317,468	.....	2,317,468
Aug.	17-2	229,425	.....	229,425	127.82	.....	127.82	1,786,652	.....	1,786,652
Sept.	14	186,200	.....	186,200	103.74	.....	103.75	1,450,036	.....	1,450,036
Oct.	5-4	73,150	.....	73,150	40.75	.....	40.75	569,657	.....	569,657
Nov.	7	93,100	.....	93,100	51.87	.....	51.87	725,018	.....	725,018
	105 5	1,404,813	.....	1,404,813	802.76	.....	802.76	11,202,474	.....	11,202,474

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STREET WATERING

Single Cart No. 14. Capacity 350 gals.

Loads per day Fresh, 30; Salt None. Gallons Used per day Fresh, 10,500; Salt, None.

1913	Days	Totals. Gallons of Water Used. Fresh	Salt	Total	Mileage of Streets Watered. Fresh	Salt	Total	Area of Streets Watered. Fresh	Salt	Total
May	20	210,000	.....	210,000	199.00	.....	199.00	2,477,480	.....	2,477,480
June	23 4	246,750	.....	246,750	191.53	.....	191.53	2,326,359	.....	2,326,359
July	26 3	276,938	.....	276,938	218.91	.....	218.91	2,985,123	.....	2,985,123
Aug.	18 4	194,250	.....	194,250	139.86	.....	139.86	1,765,122	.....	1,765,122
Sept.	15	157,500	.....	157,500	113.40	.....	113.40	1,431,180	.....	1,431,180
Oct.	5 4	57,750	.....	57,750	41.58	.....	41.58	524,766	.....	524,766
Nov.	8 6	91,875	.....	91,875	66.15	.....	66.15	834,855	.....	834,855
	117 5	1,235,063	.....	1,235,063	970.43	.....	970.43	12,344,885	.....	12,344,885

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STREET WATERING

Single Cart No. 22. Capacity 300 gals.

Loads per day Fresh, 30; Salt, None. Gallons Used per day Fresh 9000; Salt, None.

		Totals. Gallons of Water Used.			Mileage of Streets Watered.			Area of Streets Watered.		
1913	Days	Fresh	Salt	Total	Fresh	Salt	Total	Fresh	Salt	Total
May	23	207,000	.....	207,000	180.78	.....	180.78	2,211,818	.....	2,211,818
June	19-6	177,750	.....	177,750	155.24	.....	155.24	1,899,279	.....	1,899,279
	42-6	384,750	.....	384,750	336.02	.....	336.02	4,111,097	.....	4,111,097

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STREET WATERING

Single Cart No. 37. Capacity 350 Gals.

Loads per day—Fresh, 14; Salt, 2. Gallons Used per day—Fresh, 4,900; Salt, 700.

1913	Days	Totals. Gallons of Water Used. Fresh	Salt	Total	Mileage of Streets Watered. Fresh	Salt	Total	Area of Streets Watered. Fresh	Salt	Total
April	6	29,400	.....	29,400	43.80	.....	43.80	540,408	.....	540,408
May	20	98,000	.....	98,000	146.00	.....	146.00	1,801,360	.....	1,801,360
June	20-4	100,450	14,350	114,800	99.63	7.79	107.42	1,174,281	182,204	1,356,485
July	22	107,800	15,400	123,200	83.16	8.36	91.52	1,004,696	195,536	1,200,232
Aug.	19-6	96,775	13,825	110,600	74.66	7.50	82.16	901,943	175,538	1,077,481
Sept.	8-2	40,425	5,775	46,200	31.18	3.14	34.32	376,761	73,326	450,087
	96-4	472,850	49,350	522,200	478.43	26.79	505.22	5,799,449	626,604	6,426,053

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Applying Dustoline.

This is the seventh year that this department has applied Dustoline to the roadbeds of certain streets. Each year we have increased the number of streets treated with this material. The past season, we treated thirty-five miles of roadbed of an average width of twenty feet, at an average cost of $115.53 per mile, which is $8.23 less per mile than last year.

The fact that we have applied Dustoline to our roadbeds for seven years clearly demonstrates that the material is an excellent dustlayer. The department purchased this year six tank cars containing in all, 45,132 gallons. We were somewhat in doubt about contracting for Dustoline at first because of the increased price from Six and one-half cents to Eight and one-half cents per gallon, but fully realizing the advance in price of crude oils, we finally submitted to the inevitable.

The total cost of applying Dustoline this past season was $4,043.54. Two hundred dollars was again donated this year toward the expense of treating the Broadway roadbeds.

The following statistics will give you full details as to each application, etc.

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FIRST CAR OF DUSTOLINE

First Application, May 19, 20, 1913

Street or Avenue	Sq. Yds.	Average Gal. per Sq. Yd.	Gals. Used	Total Cost
Third Street, Poplar Street to Training Station Road	11,503	.0667	767	$68.72
Sycamore Street	2,378	.0667	159	14.25
Cypress Street	2,396	.0667	160	14.34
Second Street	6,358	.0854	543	48.65
Washington Street, Battery Street to Railroad Tracks	6,534	.0831	543	48.65
Bridge Street	2,629	.0937	246	22.04
Cross Street	748	.0937	70	6.27
Elm Street	2,416	.0937	227	20.34
Battery Street	1,188	.0681	81	7.26
Maitland Court	618	.0681	42	3.76
La Salle Place	590	.0681	40	3.59
Sunnyside Place	1,408	.0681	96	8.60
Gladding Court	250	.0681	17	1.43
Pine Street	1,384	.0681	94	8.42
Van Zandt Avenue, from West End of Bridge to Harbor	2,533	.0681	173	15.50

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FIRST CAR OF DUSTOLINE

First Application, May 19, 20, 1913

Street or Avenue	Sq. Yds.	Average Gal. per Sq. Yd.	Gals. Used	Total Cost
Cherry Street	1,350	.1072	145	$12.99
Guerney Court	490	.1072	52	4.66
Chestnut Street	1,129	.1072	121	10.84
Walnut Street	2,095	.1072	225	20.16
Poplar Street, Third Street to Washington Street	1,167	.1289	150	13.44
Chase Street	229	.1289	30	2 69
Willow Street	1,968	.1289	254	22 76
Sanford Street	356	.1289	46	4.12
North Baptist Street	492	.1289	63	5.65
Marsh Street	3,717	.0751	279	25.00
Braman Court	591	.0751	44	3.94
West Marlborough Street	2,123	.0751	160	14.34
Thames Street, Bridge Street to Poplar Street	800	.0751	60	5.38
Rousemainere Place	213	.0750	16	1.44
Northam Lane, Thames Street to Rousemainere Place	333	.0750	25	2.24
Whittier Avenue	707	.0750	53	4.75

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FIRST CAR OF DUSTOLINE

First Application, May 19, 20, 1913

Street or Avenue	Sq. Yds.	Average Gal. per Sq. Yd.	Gals. Used	Total Cost
Dennis Avenue	520	.0750	39	$3.50
Wilcox Court	208	.0750	15	1.35
Sherman Wharf	1,500	.0750	113	10.13
Swinburne's Wharf	1,017	.0750	76	6.81
Champlin Wharf	735	.0750	55	4.93
Bull's Wharf, 150 feet	250	.0750	19	1.70
Lopez Wharf, 150 feet	250	.0750	19	1.70
Market Square	550	.0750	41	3.68
Newman's Wharf	611	.0750	46	4.12
Ferry Wharf	342	.0750	26	2.33
Bowen's Wharf	1,279	.0666	85	7.62
West Pelham Street	1,057	.0666	70	6.27
Sayer's Wharf	1,625	.0666	108	9.68
Scott's Wharf	550	.0666	37	3.32
Commercial Wharf, North and South and between	6,725	.0666	448	40.14
Hammett's Lumber Yard, 200 feet	622	.0666	.42	3.77

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FIRST CAR OF DUSTOLINE

First Application, May 19, 20, 1913

Street or Avenue	Sq. Yds.	Average Gal. per Sq Yd.	Gals. Used	Total Cost
Perry Mill Wharf	1,833	.0666	122	$10.93
Bailey Court, 150 feet	283	.0666	19	1.70
Cottrell's Wharf	567	.0666	38	3.41
Taylor Court	767	.0666	51	4.57
Brown and Howard's Wharf	1,000	.0666	67	6.00
	82,984		6,517	$583.88

Cost per gallon applied, $0.08959

Average Cost per square yard, $0.007

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SECOND CAR OF DUSTOLINE

First Application, May 26, 27, 28, 31, 1913

Street or Avenue	Sq. Yds.	Average Gal. per Sq. Yd.	Gals. Used	Total Cost
Lee's Wharf	1,200	.0671	80	$7.17
West Howard Street	1,052	.0671	71	6.36
Spring Wharf	1,011	.0671	68	6.09
Extension Street, Thames Street West	867	.0671	58	5.20
Waites Wharf	1,114	.0671	75	6.72
Coddington Wharf	456	.0671	31	2.78
Goodwin Street	812	.0671	54	4.84
Richmond Street, 150 feet	650	.0671	44	3.94
Harrington Street	928	.0671	62	5.56
Farewell Street, Broadway to Van Zandt Avenue	7,529	.0721	543	48.65
Broadway, Equality Park Place to One Mile Corner	23,945	.0908	2,174	194.77
Ridge Road	10,744	.1336	1,436	128.65
Harrison Avenue, Ridge Road to Auchincloss' Back Gate	1,444	.1336	193	17.29
Bliss Road	7,157	.0758	543	48.65
Gibbs Avenue, Bliss Road to Water Works Road	5,378	.1047	564	50.53
Robinson Street	890	.1047	93	8.33

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SECOND CAR OF DUSTOLINE

First Application, May 26, 27, 28, 31, 1913

Street or Avenue	Sq. Yds.	Average Gal. per Sq. Yd.	Gals. Used	Total Cost
Rhode Island Avenue, Broadway to Kay Street	3,360	.1047	352	$31.54
Franklin Street	735	.1037	77	6.90
	69,272		6,518	$583.97

Cost per gallon applied, $0.08959
Average cost per square yard, $0.0084

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THIRD CAR OF DUSTOLINE

First Application, June 9, 10, 11, 12, 1913

Street or Avenue	Sq. Yds.	Average Gal. per Sq. Yd.	Gal. Used	Total Cost
Washington Square	4,333	.0964	418	$37.45
Touro Street, Spring Street to Thames Street	1,556	.0964	150	13.44
Marlborough Street	2,272	.1023	232	20.79
Branch Street	212	.1023	22	1.97
West Broadway	3,981	.1023	407	36.46
Gould Street	1,927	.1023	197	17.65
Tilley Avenue	1,572	.1023	161	14.42
Congdon Avenue	1,179	.1023	121	10.84
Old Beach Road, Bellevue Avenue to Gibbs Avenue	7,327	.0609	446	39.96
Red Cross Avenue, Old Beach Road South, 500 feet	2,000	.0609	122	10.93
Chapel Street	3,074	.0635	195	17.47
Catherine Street, Bellevue Avenue to Brinley Street	660	.0635	42	3.76
Catherine Street, Rhode Island Avenue to Gibbs Avenue	2,256	.0635	144	12.90
Gibbs Avenue, Catherine Street to Water Works Road	2,944	.0635	187	16.75
Bellevue Avenue, Kay Street to Webster Street	15,852	.0179	284	25.45
East Bowery Street	4,022	.0706	284	25.45

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THIRD CAR OF DUSTOLINE

First Application, June 9, 10, 11, 12, 1913

Street or Avenue	Sq. Yds.	Average Gal. per Sq. Yd.	Gals. Used	Total Cost
Bellevue Avenue, Wheatland Avenue to Bailey's Beach	8,190	.0567	465	$41.66
Lake View Avenue	1,813	.0567	103	9.23
Harrison Avenue, Auchincloss' Back Gate to Morgan's	27,445	.0206	568	50.89
Narragansett Avenue, Thames Street to Forty Steps	18,577	.0741	1,377	123.37
West Narragansett Avenue	4,472	.0741	332	29.75
Washington Street, Battery Street North, 100 feet	222	.0719	16	1.43
Dresser Street	2,053	.0719	149	13.35
Berkeley Avenue	5,619	.0719	403	36.11
Kay Street	17,001	.0334	568	50.89
Ruggles Avenue, Wetmore Avenue to Drexel Estate	2,750	.1003	276	24.73
Ochre Point Avenue, Ruggles Avenue North, 200 feet	511	.1003	51	4.57
Prairie Avenue, Catherine Street to Champlin Street	2,400	.1003	241	21.59
	146,220		7,961	$713.26

Cost per gallon applied, $0.08959

Average Cost per square yard, $0.0048

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FOURTH CAR OF DUSTOLINE

First Application, June 19, 23, 24, 1913

Street or Avenue	Sq. Yds.	Average Gal. per Sq. Yd.	Gals. Used	Total Cost
Third Street, Poplar Street to Marsh Street	1,633	.1201	196	$17.56
Poplar Street, Thames Street to Third Street	2,100	.1201	252	22.58
Coddington Street	680	.1201	82	7.35
Charles Street, Marlborough Street to North Baptist Street	880	.0649	57	5.11
Stone Street	247	.0649	16	1.44
Sherman Street	1,377	.0649	90	8.06
Whitfield Court	708	.0649	46	4.12
Barney Street	1,006	.0649	65	5.82
High Street	818	.0649	53	4.75
School Street	1,074	.0649	70	6.27
Touro Street, Spring Street to Bellevue Avenue	2,046	.0649	133	11.92
Mary Street, Touro Street to Thames Street	1,709	.0529	91	8.15
Church Street, Bellevue Avenue to Thames Street	2,704	.0529	143	12.81
Prospect Hill Street, Bellevue Avenue to Thames Street	1,682	.0529	89	7.97
Mill Street, Bellevue Avenue to Thames Street	3,161	.0529	167	14.96

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FOURTH CAR OF DUSTOLINE

First Application, June 19, 23, 24, 1913

Street or Avenue	Sq. Yds.	Average Gal. per Sq. Yd.	Gals. Used	Total Cost
Frank Street	748	.0529	40	$3.59
Pelham Street, Bellevue Avenue to Thames Street	3,589	.0589	211	18.90
John Street	1,937	.0589	114	10.21
Levin Street	1,096	.0589	65	5.82
William Street	1,621	.0589	96	8.60
Clark Street	739	.0456	34	3.05
Green Street	604	.0456	26	2.33
Fair Street	446	.0456	21	1.88
Cannon Street	617	.0456	28	2.51
Gidley Street	430	.0456	20	1.79
Ann Street	646	.0456	30	2.69
Brewer Street	705	.0456	32	2.87
Golden Hill Street	774	.0456	35	3.14
Bowery Street	2,288	.0456	104	9.32
Dennison Street	571	.0456	26	2.33

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FOURTH CAR OF DUSTOLINE

First Application, June 19, 23, 24, 1913

Street or Avenue	Sq. Yds.	Average Gal. per Sq. Yd.	Gals. Used	Total Cost
Young Street	848	.0456	39	$3.50
Pope Street, East Street to Thames Street	1,172	.0456	54	4.84
Fountain Street	247	.0456	11	.99
Anthony Street	590	.0456	27	2.42
East Street	396	.0456	18	1.61
West Street	545	.0456	25	2.24
Harrison Avenue, Morgan's to Anthony's Ledge	11,555	.0500	578	51.78
Halidon Avenue	3,427	.0500	172	15.41
Howard Street	892	.0641	57	5.11
Extension Street, Spring Street to Thames Street	810	.0641	52	4.66
South Baptist Street	825	.0641	53	4.75
Dearborn Street	1,452	.0641	93	8.33
Holland Street	896	.0641	57	5.11
Dean Avenue	1,014	.0641	65	5.82
Lee Avenue	1,511	.0641	97	8.69

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FOURTH CAR OF DUSTOLINE

First Application, June 19, 23, 24, 1913

Street or Avenue	Sq. Yds.	Average Gal. per Sq. Yd.	Gals. Used	Total Cost
Bacheller Street	866	.0641	56	$5.02
Bath Road, Bellevue Avenue to Freebody Street	3,163	.0779	247	22.13
Perry Street	1,968	.0779	153	13.71
Byrnes Street	564	.0779	44	3.94
McAllister Street	1,108	.0779	86	7.70
Dixon Street, Bellevue Avenue to Thames Street	2,515	.0675	170	15.23
Hammond Street	1,742	.0675	118	10.57
Chastellux Avenue	3,591	.0675	242	21.68
	80,333		4,946	$443.14

Cost per gallon applied, $0.08959

Average cost per square yard, $0.0055

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FOURTH CAR OF DUSTOLINE

Second Application, June 19, 23, 24, 25, 1913

Street or Avenue	Sq. Yds.	Average Gal. per Sq Yd.	Gals. Used	Total Cost
Franklin Street	735	.0589	44	$3.94
Harrison Avenue, Auchincloss' Back Gate to Morgan's	27,445	.0500	1,373	123.01
Broadway, Equality Park Place to One Mile Corner	23,945	.0221	530	47.48
Second Street	6,358	.0833	530	47.48
Third Street	10,389	.0510	530	47.48
	68,872		3,007	$269.39

Cost per gallon applied, $0.08959

Average cost per square yard, $0.0039

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FIFTH CAR OF DUSTOLINE

First Application, June 25, 26, July 3, 1913

Street or Avenue	Sq. Yds.	Average Gal. per Sq. Yd.	Gals. Used	Total Cost
Carey Street	2,283	.0248	57	$5.11
Webster Street, Spring Street to Thames Street	2,583	.0248	64	5.73
Filmore Street	667	.0610	41	3.68
Tompkins Court	500	.0610	31	2.78
Fir Street	800	.0610	49	4.39
Cottage Street	1,172	.0610	71	6.36
Redwood Street	798	.0610	49	4.39
Elizabeth Street	525	.0610	32	2.87
Centre Street	267	.0610	16	1.44
Tew's Court	723	.0610	44	3.94
State Street	1,841	.0610	112	10.04
Downing Street	633	.0610	39	3.50
DeBlois Street	907	.0610	55	4.93
Touro Park West	528	.0610	32	2.87
Corne Street	690	.0610	42	3.76
Martin Street	289	.0610	18	1.61

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FIFTH CAR OF DUSTOLINE

First Application, June 25, 26, July 3, 1913

Street or Avenue	Sq. Yds.	Average Gal. per Sq. Yd.	Gals. Used	Total Cost
Division Street	1,966	.0639	126	11.29
King Street	1,720	.0639	110	9.86
Jones Avenue	1,637	.0639	105	9.41
Brewster Court	816	.0639	52	4.66
Thomas Street	649	.0639	42	3.76
Cotton Court	360	.0565	20	1.79
Wellington Avenue, Thames Street West, 300 feet	1,433	.0565	81	7.26
Powel Avenue	4,470	.0894	400	35.84
	28,257		1,688	$151.27

Cost per gallon applied, $0.08959

Average cost per square yard, $0.0053

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FIFTH CAR OF DUSTOLINE

Second Application, June 25, 26, July 1, 3, 14, 1913

Street or Avenue	Sq. Yds.	Average Gal. per Sq. Yd.	Gals. Used	Total Cost
Kay Street	17,001	.0248	423	$37.90
Narragansett Avenue, Spring Street to Thames Street	3,514	.0248	87	7.80
West Broadway	3,981	.0734	292	26.16
Branch Street	212	.0734	16	1.44
Marlborough Street	2,272	.0734	167	14.96
West Marlborough Street	2,123	.0734	156	13.98
Bliss Road	7,157	.0470	336	30.10
Gibbs Avenue, Bliss Road to Water Works Road	5,378	.0470	253	22.67
Robinson Street	890	.0470	42	3.76
Chapel Street	3,074	.0639	196	17.56
Rousemainere Place	213	.0565	12	1.08
Northam Lane, Thames Street to Rousemainere Place	333	.0565	19	1.70
Whittier Avenue	707	.0565	40	3.58
Dennis Avenue	520	.0565	29	2.60
Wilcox Court	208	.0565	12	1.08
Sherman Wharf	1,500	.0565	85	7.62

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FIFTH CAR OF DUSTOLINE

Second Application, June 25, 26, July 1, 3, 14, 1913

Street or Avenue	Sq. Yds.	Average Gal. per Sq. Yd.	Gals. Used	Total Cost
Swinburne's Wharf	1,017	.0565	58	$5.20
Champlin's Wharf	735	.0565	42	3.76
Bull's Wharf, 150 feet	250	.0565	14	1.26
Lopez Wharf, 150 feet	250	.0565	14	1.26
Market Square	550	.0565	31	2.78
Newman's Wharf	611	,0565	35	3.14
Ferry Wharf	342	.0565	19	1.70
Bowen's Wharf	1,279	.0565	72	6.45
West Pelham Street	1,057	.0565	60	5.38
Sayer's Wharf	1,625	.0565	92	8.24
Scott's Wharf	550	.0565	31	2.78
Commercial Wharf, North and South and between	6,725	.0565	380	34.05
Hammett's Lumber Yard, 200 feet	622	.0565	35	3.14
Perry Mill Wharf	1,833	.0565	104	9.32
Bailey Court, 150 feet	283	.0565	16	1.44

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FIFTH CAR OF DUSTOLINE

Second Application, June 25, 26, July 1, 3, 14, 1913

Street or Avenue	Sq. Yds.	Average Gals. per Sq. Yd.	Gals. Used	Total Cost
Cottrell's Wharf	567	.0565	32	$2.87
Taylor Court	767	.0565	43	3.85
Brown and Howard's Wharf	1,000	.0565	57	5.11
Lee's Wharf	1,200	.0565	68	6.09
West Howard Street	1,052	.0565	60	5.38
Spring Wharf	1,011	.0565	57	5.11
Extension Street, Thames Street West	867	.0565	49	4.39
Waites Wharf	1,114	.0565	63	5.65
Coddington Wharf	456	.0565	26	2.33
Goodwin Street	812	.0565	46	4.12
Richmond Street, 150 feet	650	.0565	37	3.32
Harrington Street	928	.0565	52	4.66
Cross Street	748	.1162	87	7.80
Gould Street	1,927	.1162	224	20.07
Tilley Avenue	1,572	.1162	183	16.40
Congdon Avenue	1,179	.1162	137	12.28

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FIFTH CAR OF DUSTOLINE

Second Application, June 25, 26, July 1, 3, 14, 1913

Street or Avenue	Sq. Yds.	Average Gal. per Sq. Yd.	Gals. Used	Total Cost
Filmore Street	667	.1304	87	$7.80
Tompkins Court	500	.1304	65	5.82
Green Street	604	.1304	78	6.99
Stone Street	247	.0240	6	.54
Sherman Street	1,377	.0240	33	2.96
Barney Street	1,006	.0240	24	2.15
Whitfield Court	708	.0240	17	1.52
Touro Street, Bellevue Avenue to Thames Street	3,602	.0240	87	7.80
Mary Street, Touro Street to Thames Street	1,709	.0240	41	3.68
Church Street, Bellevue Avenue to Thames Street	2,704	.0240	65	5.82
Mill Street, Bellevue Avenue to Thames Street	3,161	.0240	76	6.81
Pelham Street, Bellevue Avenue to Thames Street	3,589	.0240	86	7.70
Prospect Hill Street, Bellevue Avenue to Thames Street	1,682	.0240	40	3.59
John Street	1,937	.0240	47	4.21
Levin Street	1,096	.0240	26	2.33
William Street	1,621	.0240	39	3.50

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FIFTH CAR OF DUSTOLINE

Second Application, June 25, 26, July 1, 3, 14, 1913

Street or Avenue	Sq. Yds.	Average Gal. per Sq. Yd.	Gals. Used	Total Cost
Martin Street	289	.0330	10	.90
Corne Street	690	.0330	23	2.06
Division Street	1,966	.0330	65	5.82
School Street	1,074	.0330	36	3.23
High Street	818	.0330	27	2.42
	150,134		6,512	$583.41

Cost per gallon applied, $0.08959
Average Cost per square yard, $0.0038

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SIXTH CAR OF DUSTOLINE

First Application, August 5, 12, 1913

Street or Avenue	Sq. Yds.	Average Gal. per Sq. Yd.	Gals. Used	Total Cost
Brinley Street.	1,715	.0328	56	$5.02
Carroll Avenue, Thames Street to Harrison Avenue	3,733	.0771	288	25.80
Morton Avenue	4,225	.0771	326	29.21
	9,673		670	$60.03

Cost per gallon applied, $0.08959

Average Cost per square yard, $0.0062

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SIXTH CAR OF DUSTOLINE

Second Application, July 16, 17, 19, 21, 26, August [illegible] 1919

Street or Avenue	Sq. Yds.	Average Cost per Sq. Yd.	[illegible]	Total Cost
Bridge Street	2,629	.0459	[illegible]	[illegible]
Elm Street	2,416	.0459	[illegible]	.90
Chase Street	229	.0459	11	2.06
Walnut Street	2,095	.0459	96	.82
Poplar Street	3,267	.0459	150	[illegible]
Willow Street	1,968	.0459	90	[illegible]
Farewell Street, Broadway to Van Zandt Avenue	7,529	.0327	246	22.04
Cypress Street	2,396	.0327	79	7.08
Battery Street	1,188	.0327	39	3.50
Maitland Court	618	.0327	20	1.79
Gladding Court	250	.0327	8	.72
Sycamore Street	2,378	.0327	78	6.99
Van Zandt Avenue, West End of Bridge to Harbor	2,533	.0327	83	7.44
Pine Street	1,384	.0327	46	4.12
Sunshine Court	448	.0327	15	1.35

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SIXTH CAR OF DUSTOLINE

Second Application, July 16, 17, 19, 21, 25, August 5, 1913

Street or Avenue	Sq. Yds.	Average Gal. per Sq. Yd.	Gals. Used	Total Cost
Guerney Court	490	.0511	25	$2.24
Chestnut Street	1,129	.0511	58	5.20
North Baptist Street	492	.0261	13	1.16
Sanford Street	356	.0261	9	.81
Braman Court	591	.0261	16	1.44
Coddington Street	680	.0261	18	1.61
Charles Street, North Baptist Street to Marlborough Street	880	.0261	23	2.06
Cherry Street	1,350	.0261	35	3.14
Marsh Street	3,717	.0261	97	8.69
Washington Btreet, Battery Street to Railroad Tracks	6,534	.0261	171	15.32
Ridge Road	10,744	.0571	614	55.01
Harrison Avenue, Ridge Road to Auchincloss' Back Gate	1,444	.0303	45	4.03
Harrison Avenue, Morgan's to Anthony's Ledge	11,555	.0303	352	31.53
Halidon Avenue	3,427	.0571	196	17.56
Ruggles Avenue, Wetmore Avenue to Drexel's Estate	2,750	.0571	157	14.06
Ochre Point Avenud, Ruggles Avenue North, 200 feet	511	.0571	29	2.60

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SIXTH CAR OF DUSTOLINE

Second Application, July 16, 17, 19, 21, 25, August 5, 1913

Street or Avenue	Sq. Yds.	Average Gal. per Sq. Yd.	Gals. Used	Total Cost
Bridge Street	2,629	.0459	121	$10.84
Elm Street	2,416	.0459	111	9.94
Chase Street	229	.0459	11	.99
Walnut Street	2,095	.0459	96	8.60
Poplar Street	3,267	.0459	150	13.44
Willow Street	1,968	.0459	90	8.06
Farewell Street, Broadway to Van Zandt Avenue	7,529	.0327	246	22.04
Cypress Street	2,396	.0327	79	7.08
Battery Street	1,188	.0327	39	8.50
Maitland Court	618	.0327	20	1.79
Gladding Court	250	.0327	8	.72
Sycamore Street	2,378	.0327	78	6.99
Van Zandt Avenue, West End of Bridge to Harbor	2,533	.0327	83	7.44
Pine Street	1,384	.0327	46	4.12
Sunshine Court	448	.0327	15	1.35

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SIXTH CAR OF DUSTOLINE

Second Application, July 16, 17, 19, 21, 25, August 5, 1913

Street or Avenue	Sq. Yds.	Average Gal. per Sq. Yd.	Gals. Used	Total Cost
Guerney Court	490	.0511	25	$2.24
Chestnut Street	1,129	.0511	58	5.20
North Baptist Street	492	.0261	13	1.16
Sanford Street	356	.0261	9	.81
Braman Court	591	.0261	16	1.44
Coddington Street	680	.0261	18	1.61
Charles Street, North Baptist Street to Marlborough Street	880	.0261	23	2.06
Cherry Street	1,350	.0261	35	3.14
Marsh Street	3,717	.0261	97	8.69
Washington Btreet, Battery Street to Railroad Tracks	6,534	.0261	171	15.32
Ridge Road	10,744	.0571	614	55.01
Harrison Avenue, Ridge Road to Auchincloss' Back Gate	1,444	.0303	45	4.03
Harrison Avenue, Morgan's to Anthony's Ledge	11,555	.0303	352	31.53
Halidon Avenue	3,427	.0571	196	17.56
Ruggles Avenue, Wetmore Avenue to Drexel's Estate	2,750	.0571	157	14.06
Ochre Point Avenud, Ruggles Avenue North, 200 feet	511	.0571	29	2.60

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SIXTH CAR OF DUSTOLINE

Second Application, July 16, 17, 19, 21, 25, August 5, 1913

Street or Avenue	Sq. Yds.	Average Gal. per Sq. Yd.	Gals. Used	Total Cost
Dresser Street	2,053	.0571	118	$10.57
Red Cross Avenue, Old Beach Road South, 500 feet	2,000	.0571	114	10.21
Washington Square	4,333	.0622	269	24.10
Bath Road, Bellevue Avenue to Freebody Street	3,163	.0328	104	9.32
Powel Avenue	4,470	.0328	147	13.17
Old Beach Road, Bellevue Avenue to Gibbs Avenue	7,327	.0328	241	21.59
	101,324		4,044	$362.32

Cost per gallon applied, $0.08959

Average Cost per square yard, $0.0035

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SIXTH CAR OF DUSTOLINE

Third Application, July 16, 17, 19, 25, 30, Aug. 5, Nov. 7, 1913

Street or Avenue	Sq. Yds.	Average Gal. per Sq. Yd.	Gals. Used	Total Cost
Cross Street	748	.0459	35	$3.14
Third Street	10,389	.0511	531	47.57
Marlborough Street	2,272	.0261	60	5.38
Branch Street	212	.0261	6	.54
Second Street	6,358	.0261	166	14.87
Harrison Avenue, Auchincloss' Back Gate to Morgan's	27,445	.0303	832	74.54
Touro Street, Spring Street to Thames Street	1,556	.0622	97	8.69
West Broadway	3,981	.0622	248	22.22
Broadway, Equality Park Place to One Mile Corner	23,945	.0256	614	55.01
Red Cross Avenue, Old Beach Road South, 500 feet	2,000	.0328	66	5.91
Washington Square	4,333	.0541	234	20.96
West Marlborough Street	2,123	.0541	115	10.30
Bridge Street	2,629	.0541	142	12.72
	87,991		3,146	$281.85

Cost per gallon applied, $0.08959

Average Cost per square yard, $0.0032

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SIXTH CAR OF DUSTOLINE

Fourth Application, November 7, 1913

Street or Avenue	Sq. Yds.	Average Gal. per Sq Yd.	Gals. Used	Total Cost
Marlborough Street	2,272	.0541	123	$11.02

Cost per gallon applied, $0.08959
Average Cost per square yard, $0.0048

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Quarry and Crusher

No stone was quarried and crushed this year as the quarry, which the city has leased for a number of years, is exhausted, and no provision was made for a new quarry site. The last lease expired on the 16th day of March, 1913, but the buildings have not been removed because no appropriation was made for that purpose.

Statement of Crushed Stone

		Tons
On hand at quarry, December 14th, 1912		558
From quarry during the year 1913		
Broadway Pavement	12½	
Bellevue Avenue Asphalt Macadam	55	
General Repairs to Streets	167	
Van Zandt Avenue Pier	2½	237
On hand at quarry, December 17th, 1913		321

Crushed Stone

Owing to the fact that no stone was quarried and crushed this year, and as it was necessary for the department to have crushed stone to carry on the work, Messrs. John F. Sullivan and James J. Dugan submitted prices for furnishing crushed stone, delivered where needed, at the following rates, viz:

John F. Sullivan ..... $1.20 per ton
James J. Dugan ..... 1.25 " "

I referred the matter to Mayor MacLeod and was authorized to purchase the stone from the lowest competitor. I would add that Mr. Sullivan also agreed to furnish crushed stone, not delivered, at the rate of $1.00 per ton.

Statement of Crushed Stone purchased of John F. Sullivan during the year 1913

	Not Delivered		Delivered	
	Tons	Lbs.	Tons	Lbs.
Repairs				
Annandale Road			43	1800
Bliss Road			110	200
Broadway	33	1500	49	700
Carey Street			47	500
Cherry Street			28	1800
Dean Avenue			72	900
Dresser Street			25	600

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	Not Delivered Tons	Not Delivered Lbs.	Delivered Tons	Delivered Lbs.
Elliott Place			9	900
Elm Street			131	700
Equality Park Place			7	1600
Fair Street			18	1800
General Repairs to Streets	302	1975	37	350
Hammond Street			97	1300
Harrison Avenue	13	800	449	1700
Ledge Road			9	900
Mann Avenue			99	300
Marine Avenue			6	600
Market Square			45	800
Mill Street			73	600
Narragansett Avenue			26	200
Ocean Avenue	67	200	527	1300
Pearl Street			7	800
Pelham Street			34	600
Red Cross Avenue			94	1000
Ridge Road			22	100
Ruggles Avenue			116	1100
Second Street			133	
Third Street			240	1200
Touro Street	1	800		
Training Station Road			10	1600
Washington Square	7	1000		
West Broadway			59	1000
Remacadamize				
Ann Street			77	1600
Cranston Avenue			466	100
Hunter Avenue			154	1600
Kingston Avenue			323	1500
Meeting Street			63	
Thames Street (upper)			127	1300
Warner Street			266	900
Resurface				
Bath Road			163	1100
Macadamize				
Albro Street			238	
Bush Street			141	
Freebody Street			34	1300
LaSalle Place			75	1200
Waites Wharf			97	1300

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	Not Delivered		Delivered	
Asphalt Macadam	Tons	Lbs.	Tons	Lbs.
Bath Road			1280	800
Bellevue Avenue	49	800	2125	1700
Bull Street			236	500
Easton's Beach Road			1600	200
Harrison Avenue			652	600
Bridge Construction				
Easton's Beach Bridge	3		109	200
Granolithic Sidewalks				
Calvert Street, at Presbyterian Church			9	900
Calvert Street, at Calvert School			6	600
Easton's Beach			73	400
General Repairs	2	1300	3	300
Harrison Avenue			9	900
Meeting Street			12	1200
South Baptist Street	1	1200	37	1600
Spring Street			6	600
Sidewalks				
Church Street	1	1200		
General Repairs	2	1200		
Pavements				
Broadway	10	625	151	1900
Spring Street	1	1000	31	1000
Spring Street, Bay State St. Ry. Co.	9		114	500
Thames Street	2	1325		
	510	925	11325	750

Steam Road Rollers

The work on our streets commenced on the First day of April and continued until Rollers 2 and 3 were retired on the 18th day of October and Roller 1 was retired on the 15th of November. Roller 1 was taken out on the 5th day of December for the purpose of making repairs to the roadbed of Washington street in connection with the N. Y., N. H. & H. R. R. Co.: which company furnished the stone, and this department spread and rolled the same.

Two very unfortunate accidents happened this year with Roller 2, operated by Engineer Easton.

The first accident occurred during the noon hour of Wednesday, October 15th. The roller had been at work on Ayrault Street and was resting near Bush Street. In some manner, while the fireman was cleaning the machine, it was thrown out of gear. The roller immediately started down the street. Engineer Easton, having failed to

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stop the roller by chocking, boarded the machine and used every effort in his power to steer the roller to safety, but owing to a collision with the curb at the north corner of Ayrault Street and Broadway, and the slippery condition of the pavement, the roller skidded, crossed the street, and ran into the house on the corner of Caleb Earl Street and Broadway, owned by Mrs. Atkinson. The house was somewhat damaged and partly removed from its foundation. Fortunately, Engineer Easton was not injured, which seemed a miracle, considering the danger he was subjected to. Mr. David T. Leonard occupied the house, and some of their bric-a-brac, etc. was damaged, of which Chief Foreman Burdick, of this department, took an inventory with Mrs. Leonard, as follows, viz :

INVENTORY OF CHINA & BRIC-A-BRAC
DAMAGED BY STEAM ROLLER 2—OCTOBER 15th, 1913.
PROPERTY OF MRS. DAVID T. LEONARD,
150 BROADWAY, NEWPORT, R. I.

CLOSET

1 Punch Bowl Set, (12'' Bowl broken)	$7 00	
1 Pudding Set, (Tray broken)	3 00	
1 Silver-Glass Sugar Bowl	50	
1 Water Set, (Pitcher broken)	4 00	
2 China Cups and Saucers	25	$14 75

FRONT ROOM

1 Brass Lamp (Onyx Shaft)	$10 00	
1 Jardinere and Stand (Jardinere broken)	6 00	
1 Picture	50	
1 Picture	3 50	
2 Cups and Saucers	50	
1 China Image	25	
1 Vase, (Green)	4 50	
1 Vase, (Round)	50	
1 Vase, (Square)	25	
Cleaning rug, size 9' x 12',	1 00	27 00
Total		$41 75

(Signed) Julius Burdick
Chief Foreman,
Dept. Highways and Bridges.

Upon recommendation of the Street Commissioner, the Representative Council, on October 28th, passed a resolution transferring from the following appropriations, Bush Street, $300.00 ; Freebody Street,

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$200.00; making a total of $500.00 toward an appropriation for repairs, etc. to the house, damaged by the runaway roller, the expenditures of which will be found in another part of this report.

The second accident happened on Friday morning, December 5th, about nine o'clock, and was a very unfortunate affair. Roller 1, which was in the rear of Roller 3, was to be taken out to make repairs to Washington Street, and the removal was by the same method as has been the custom for a number of years, and always successfully. The piece of joist used, in some manner slipped out of place, and Engineer Easton was caught by the legs between the two rollers. Owing to the quick foresight and presence of mind of Engineer Leonard, who was operating Roller 1, he immediately reversed the power and thereby averted a very serious accident.

Medical assistance was summoned at once, and Dr. Wm. A. Sherman responded in a very short time. The ambulance was called and Engineer Easton was removed to the Newport Hospital, where everything possible was done for his relief. At first it was thought that the accident was serious, but after a thorough examination by the doctor, it was found that his lower limbs were badly scraped and bruised, but no bones were broken. As I said before, it was a very unfortunate affair, and I regret exceedingly that it ever happened.

Permanent Pavements

Repairs have been made to both bitulithic pavements, the cost of which was

Broadway	$1,029.87
Spring Street.....	341.48
Total	$1,371.35

These pavements are fast becoming beyond repair, and they should be replaced with an entire new wearing surface, especially the Broadway Pavement.

The Spring Street Pavement at the two new turnouts at Howard Street and Webster Street was replaced by this department, and the Bay State Street Railway Company reimbursed us for the cost of same. This amount, with the amounts received from both Street Railway Companies for repairs to pavements between and outside of rails, was deposited with the City Treasurer to the credit of the appropriation for Street Repairs.

Bellevue Avenue Asphalt Macadam

This year, we laid an asphalt macadam roadbed on Bellevue Avenue, from Kay Street to point near Webster Street, adjoining the work done last season, a distance of 5,416 feet containing 16,048 square yards, also, laid a section of the same construction on Bellevue Avenue,

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stop the roller by chocking, but [illegible] the
in his power to steer the roller to safety [illegible]
the curb at the north corner of Avra[illegible]
slippery condition of the pavement [illegible]
street, and ran into the house on t[illegible]
Broadway, owned by Mrs. Atkr[illegible]
aged and partly [illegible]
Easton was not [illegible]
danger he was [illegible]
house, and s[illegible]
Chief Engin[illegible]
Mrs. Le[illegible].

[illegible]et, contain-
[illegible]ength, con-
[illegible]at an average
[illegible] than last year.
[illegible]balance, $2.14.
[illegible] asphalt and ob-
[illegible] the Honorable
[illegible] same company
[illegible] company," of
[illegible] I. O. O. New-
[illegible] last year.
[illegible] Sullivan at the
[illegible] than last year.
[illegible], which was

[illegible] this spring,
[illegible] operating both

[illegible]	$1768 97
[illegible]	2014 88
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	605 66
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]
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[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]

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tance of 2,262 feet in length, containing 7,020 square yards of six inch work, which was laid at an average cost of .669 per square yard.

Part of this roadbed is occupied by the tracks of the Bay State Street Railway Company, and the company reimbursed this department to the amount of $201.00, their share of the expense, which amount was deposited with the City Treasurer to the credit of this appropriation.

An Asphalt Heater was also purchased for $352.00 which was charged to this account.

Appropriation, $4,500.00 plus amount received from Street Railway Company, $201.00, making a total of $4,701.00;

Expenditure $4,700.89; Balance, 11 cents.

Detail expenditure is as follows, viz:

Labor as per pay-rolls	$749 19
1,600–200 tons Crushed Stone, delivered @ 1.20	1920 12
14,146 gals. Pioneer Road Asphalt @ 11c	1505 24
Asphalt Heater	352 00
Fuel	39 01
Kerosene	5 00
New Tools	5 40
Roller Account	93 03
Stable Account	31 90
Total	$4700 89

Asphalt Macadam

On March 3rd, 1913, your Honorable Body passed a resolution, authorizing and directing the Street Commissioner to use asphalt in the construction of macadam, remacadamizing, or re-surfacing of roadbeds in so far as his judgment may deem it advisable.

In accordance with this resolution, I laid asphalt macadam roadbeds on Bath Road, from Easton's Beach Road to Freebody Street; on Harrison Avenue, from Carroll Avenue to Chastellux Avenue; and also on Bull Street.

On Bath Road, the Bay State Railway Company laid a double track, from Freebody Street to the end of their line at the Beach, and the roadbed was regraded for nearly the entire length of same.

The Street Railway Company reimbursed this department for laying the Asphalt Macadam between the eighteen inches outside of their rails, which amount was deposited with the City Treasurer to the credit of the appropriation for Street Repairs.

Total length, 3,634 feet, containing 13,030 square yards ; average depth, 3 inches ; total expenditure, $3,423.31 ; average cost per square yard .263

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HARRISON AVE. (Carroll to Chastellux Avenue)

Length, 1,961 feet; depth, 5 inches, containing 5,551 square yards; Total cost, $1,861.77; Average cost per square yard 33¼c.

BULL STREET

Length, 1,124 feet; depth, 5 inches, containing 2,123 square yards; Total cost, $814.17; Average cost per square yard .383

Easton's Beach Bridge

At last, after many years, we have a substantial concrete bridge built across the creek at the Middletown Line. Size—Length 15 feet; width 42 feet; width of roadbed, 40 feet

The bridge was built by the employees of this department at an expense of $1,400.79, less amount received for sale of lumber of old bridge, $11.00; making the net cost, $1,389.79.

Owing to the fact that The Bay State Street Railway Company cut and gave us a number of steel rails for re-enforcement toward the construction of the bridge, and also furnished and delivered between four and five hundred loads of earth toward the approaches, we were able to complete the work at a much lower figure than the estimate.

A statement of the cost of construction was prepared and submitted to the Honorable Board of Aldermen. In accordance with the action taken by the Board, it was sent to the Town of Middletown, R. I., their share being one-third of the expense, $463.26, and which amount has not yet been paid by said Town.

Detail statement as follows, viz:

Labor as per pay-rolls		$713 14
New tools		5 85
Tool Repairs		1 05
109-200 tons Cr Stone, delv'd. @ 1.20	$130 92	
3 tons Cr. Stone, not delv'd. @ 1.00	3 00	
		133 92
65-½ bbls. Cement @ 1.47	96 28	
27-½ bbls. Cement @ 1.57	43 17	
		139 45
103-1550 tons Gravel @ 75c		77 83
3,940 lbs. Re-enforcing Iron		39 40
Lumber and Milling		35 44
Advertising closing of bridge		16 88
Carpenter bill (Thos. F. Keeher)		96 91
Medical Services, man injured on work		25 00
228 gallons Asphalt @ 11c.		25 08
15 gallons Kerosene		1 50

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Stable Account	$72 50
Roller Account	16 84
	$1,400 79
Less cash received for old lumber	11 00
Net cost of bridge	$1,389 79
Town of Middletown share ⅓ of cost	463 26
Net cost City of Newport	$926 53

Later, under suggestions of Mayor MacLeod, three piers were built and changes were made to the Newport side of the bridge at a cost of $113.72, which amount was assumed by this city.

5-Ton Double Drive Tandem Roller

We purchased last spring, under the direction of the Honorable Board of Aldermen, a 5-Ton Double Drive Tandem Roller, from the Buffalo Steam Roller Company. Although the amount appropriated was based upon their price submitted, we were able to prevail upon their representative to reduce the price to $2,075.00, thereby saving $75.00 for the city.

Second Ward Sewerage System

It is now two years since this system was installed, and up to the present time, it has worked very satisfactory. Fifty-four sewer connections have been made to this system to date.

On December 10th, the electric pumps, etc., were thoroughly inspected by Messrs. Scannevin and Potter, and they report that the apparatus is in excellent condition. Chief Foreman Burdick visits the plant daily to inspect the pumps, etc. During the year the electric power has cost $620.26, which compares favorably with last year, which was $763 24.

In connection with this system, a sewer was laid in Kay Street Boulevard, from Eustis Avenue east, for a distance of 353 feet, at a cost of $242.20.

Appropriation, $1,000.00 ; Expenditure, $899.39 ; Balance, $100.61.

Marchant Street Sewer

The department was favored with exceptionally dry weather this year, while installing the new storm water sewer in Marchant Street, which empties into the lower harbor, near the Gas Works. The trench was free from water nearly all the time, therefore it was not necessary to use pumps or sheathe up the sides of the ditch as was anticipated. The men could also work to better advantage under these favorable

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conditions, consequently a saving was made of nearly one-half of the amount appropriated.

This sewer was laid for the purpose of giving relief to the residents in this locality, especially during heavy rain storms. Up to the present time, the system has worked very satisfactorily. We have experienced a few heavy storms since the system was installed and upon inspection the conditions in this locality were found normal.

Appropriation $6,000.00; expenditure $3,026.61; balance $2,973.39.

Detail Expenditures are as follows:

Labor as per pay-rolls	$1,536 60
Pipe	1,160 14
Gravel	20 80
Cement	55 73
Brick	35 00
Lumber	2 60
New Tools	27 40
Rubber Boots	11 25
Tool Repairs	19 65
Kerosene	5 00
Manhole covers and rims	65 49
Stable accounts	86 95
Total	$3,026 61

Merchant Street Catch Basins

Seven catch basins and seven openings were built under a separate appropriation, and they connect with the Merchant Street storm sewer.

Appropriation $1,[illegible]25.00; expenditure $1,079.10; balance $45.90.

Cliff Avenue Catch Basin

A new catch basin was built at the corner of Cliff Avenue and Sea View Avenue to remedy bad conditions at this point, during heavy rains.

Appropriation $[illegible]; expenditure $[illegible]; balance $1.08.

East Bowery Street Catch Basin

A new catch basin was built at the corner of East Bowery Street and [illegible] Avenue.

Appropriation $[illegible]; expenditure $[illegible]; balance $4.50.

Sylvan Street Sewer

A new sewer was built on Sylvan Street, from Berkeley Avenue [illegible] Street.

Appropriation $[illegible]; expenditure $[illegible]; balance $25.00.

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King Street Sewer

Although an attempt was made to lay a sewer for a short distance in King Street, from William Street south, it was found that the sewer in William Street was not of sufficient depth by two feet to accommocate the petitioners, so the proposition was abandoned.

Appropriation $150.00; expenditure $43.20; balance $106.80.

Third Street Sewer

GUM FACTORY TO THE SEA

This department was unable to construct this sewerage system because the United States Government refused to allow the City of Newport the right of way across their property, from Third Street to the harbor. As no other route was provided, the matter will have to lay over until another year.

Casey Court Sewerage System

The department was also unable to construct this sewerage system because the City Solicitor is having difficulty in connection with the heirs of one or two estates bordering on the Almy Pond, to obtain property rights, etc. This matter will also have to lay over until another time.

The sum of $10,000.00 each was appropriated for these two sewer propositions, which amounts would have to be raised by notes, but, as the work could not be performed, the City Treasurer was not obliged to raise the money.

Streets Re-Macadamized

The following streets were re-macadamized, viz.: Ann Street; Cranston Avenue; Hunter Avenue, from Catherine Street to Champlin Street; Kingston Avenue; Meeting Street; Thames Street, from Bridge Street to Poplar Street; Warner Street, from Pond Avenue to Farewell Street.

Streets Re-Surfaced

Bath Road, from Bellevue Avenue to Freebody Street.

Streets Repaired and Rolled

	Square Yards
Annandale Road	1948
Bliss Road	8264
Broadway	8659
Carey Street	1000
Cherry Street	373

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	Square Yards
Dean Avenue	1015
Dresser Street	1280
Elliott Place	166
Elm Street	1242
Equality Park Place	177
Fair Street	447
Hammond Street	1742
Harrison Avenue	10616
Ledge Road	1466
Mann Avenue	2396
Marine Avenue	100
Mill Street	3230
Narragansett Avenue	800
Pearl Street	255
Pelham Street	1722
Red Cross Avenue	1588
Ridge Road	1333
Ruggles Avenue	2350
Second Street	333
Third Street	3930
Training Station Road	541
West Broadway	2100
	59073

Ocean Avenue roadbed was repaired and rolled at various places for its entire length, the area of which was impossible to determine.

Streets Macadamized (New Work)

Albro Street; Bush Street; Freebody Street, from East Bowery Street to Berkeley Avenue; La Salle Place and Waites Wharf. Full statistics will be found in another part of this report.

Eustis Avenue

Eustis Avenue, from Kay Street Boulevard to Bliss Road, was turnpiked at an expense of $598.06; Appropriation $700.00; Balance, $101.94.

La Salle Place

An appropriation was made this year to complete the improvements to La Salle Place. A curb was laid on the north side and the roadbed was macadamized at a cost of $803.82; Appropriation, $1,105.00; Balance, $301.18.

Meeting Street

A granite curb and granolithic sidewalk was laid on Meeting Street at the Army and Navy Y. M. C. A. Building at an expense of $633.33; Appropriation, $775.00; Balance, $141.67.

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Calvert Street

A granolithic sidewalk was laid on the south side of Calvert Street at the Presbyterian Church. Special Appropriation, $300.00; Expenditure, $202.14; Balance, $97.86.

A granolithic sidewalk and granite curb was also laid on the north side of this street at the Calvert School.
Special Appropriation, $425.00; Expenditure, $312.99; Balance, $112.01.

Harrison Avenue

A granolithic sidewalk was laid on the north side of Harrison Avenue at the St. Augustine Church.
Special Appropriation, $300.00; Expenditure, $277.80; Balance, $22.20.

South Baptist Street

A granolithic sidewalk was laid on the south side of South Baptist Street, from Spring Street to Thames Streel. Owing to the short haul of the dirt excavated, and that some private individuals carted away some of the dirt "free gratis," we were able to make quite a saving in the cost of the work.
Special Appropriation, $650.00; Expenditure, $486.41; Balance, $163.59.

House Damaged by Runaway Roller 2

In accordance with a resolution of your Honorable Body, passed October 28th, 1913, transferring $300.00 from Bush Street and $200.00 from Freebody Street, the "Atkinson House," located on the corner of Caleb Earl Street and Broadway was replaced upon its foundation and the necessary repairs were made at an expense of $262.36; Appropriation, $500.00; Balance, $237.64.

A full account of the accident will be found in another part of this report, under roller account.

Van Zandt Avenue Bridge

The walk on both sides of the Van Zandt Avenue Bridge was replanked this year under contract with Mr. Walter B. Bryer, the lowest bidder, for the sum of one hundred and eighty-seven dollars ($187.00.)

The iron work of the bridge was also painted by employees of the department. Minor repairs were made to the Green Bridge, located on Ocean Avenue.

Appropriation for Bridge Repairs, $1,000.00; Expenditure, $359.28; Balance, $640.72.

Easton's Beach

As in former years, a man is kept at work in this locality to clean the roadbed, mow grass plats, etc. The sidewalk was repaired and the iron fence painted.

Appropriation, $500.00; Expenditure, $381.94; Balance, $118.06.

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Forty Steps

The Forty Steps were painted this year at an expense of $26.02; Appropriation, $50.00; Balance, $23.98.

City Piers

Ann Street Pier

This pier received additional repairs this year under contract with the Newport Ship Yard for the sum of one hundred and twelve dollars ($112.00.)

Elm Street Pier

Repairs were made to this pier at an expense of $7.83.

Van Zandt Avenue Pier

New pipe piers were installed, pier straightened and planks put in where needed, cost of which was $214.74.

Total appropriations for City Piers, $1,000.00 ; Expenditures, $334.57 ; Balance, $665.43.

City Fountains

Again this year, an employee of the department occasionally cleaned the animal drinking fountains, also placed sulphur in the bowls to purify the water.

The following fountains have been repaired, viz :

Bellevue Avenue at Bailey's Beach,
Easton's Beach,
Thames Street, opposite Wellington Avenue,
Touro Park West,
Washington Square,
West Broadway,

Appropriation, $150.00 ; Expenditure, $69.50 ; Balance, $80.50.

Tree Preservation

The State of Rhode Island furnished the apparatus and material, and this department paid for the gasoline and all labor connected with the spraying of the trees, located on the highways of the city, to exterminate the Elm Beetle and Tussock Moth, the cost of which was $132.25 this year.

The following trees were trimmed or removed at an expense of $279.43, viz :

Trees Removed :	Trees Trimmed :
Coggeshall Ave	Broadway
Farewell Street	Dearborn Street
	Ruggles Avenue

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Total Appropriation, $600.00; Expenditure, $411.68, Balance, $188.32.

City Floats

The City Floats were repaired and painted this year at an expense of $41.72; Appropriation, $50.00; Balance, $8.28.

City Brows

No repairs were needed to the brows this year and therefore none of the appropriation was expended.

Sewer Permits

During the year, 114 permits to connect with sewers were issued, making a total to date of 3,955 since the system was adopted in 1884.

The number and description of fixtures connected were as follows, viz:

	Previously reported	1913	Total
Water Closets	3971	135	4106
Laundry Tubs	2098	192	2290
Sinks	4675	120	4795
Bath Tubs	1919	114	2033
Cellar Drains	1716	86	1802
Bowls	714	107	821
Land Drains	115	5	120
Roofs	926	81	1007
Furnace Pits	4	1	5
Stable Fixtures	64		64
Families Accommodated	4666	119	4785
Persons Accommodated	6785	357	7142

New Sewers

Special Sewers:		
Marchant Street	1475 ft. 6 in.	of 18 in. Vit. pipe
Marchant Street	639 ft. 7 in.	of 15 in. Vit. pipe
Sylvan Street	536 ft.	of 8 in. Vit. pipe
Emergency Sewers:		
Bay Side Avenue	228 ft.	of 8 in. Vit. pipe
Calvert Street	59 ft. 6 in.	of 8 in. Vit. pipe
Calvert Street	58 ft.	of 8 in. Vit. pipe
Champlin Street, Hunter, west	133 ft.	of 8 in. Vit. pipe
Coggeshall Ave., Morton, south	196 ft.	of 8 in. Vit. pipe
Kay St. Boulevard, Eustis, east	353 ft.	of 8 in. Vit. pipe
Kay Terrace	288 ft.	of 8 in. Vit. pipe
Peckham Ave., Russell Ave., east	141 ft.	of 8 in. Vit. pipe
Roseneath Avenue (extend)	206 ft.	of 8 in. Vit. pipe
Vaughan Avenue (extend)	251 ft.	of 8 in. Vit. pipe

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Catch Basins Built

Atlantic Street at Marchant Street	2
Cliff Avenue at Sea View Avenue	1
East Bowery Street at Middleton Avenue	1
Harrison Avenue opposite Marchant Street	1
Marchant Street at Lucas Avenue	1
Marchant Street at Potter Street	1
Marchant Street opposite Potter Street	1
Marchant Street between Simmons and Grafton Streets, west side	1
Marchant Street at Stockholm Street	1
Marchant Street at Wellington Avenue	1
Marchant Street at West Narragansett Avenue	2
	13

Eyeholes Built

Atlantic Street at Marchant Street	2
Cliff Avenue at Sea View Avenue	2
Cliff Avenue opposite Sea View Avenue	1
East Bowery Street at Middleton Avenue	1
Lucas Avenue at Marchant Street, southeast corner	1
Marchant Street at Lucas Avenue	1
Marchant Street at Wellington Avenue	1
Marchant Street at West Narragansett Avenue	1
Potter Street at Marchant Street	2
Stockholm Street at Marchant Street	2
Tew's Court at Old Beach Road	1
West Narragansett Avenue at Marchant Street	1
	16

Sewers Repaired

Carroll Avenue at Ocean Avenue
Edgar Court
Harrison Avenue
Middleton Avenue at Weaver Avenue
Market Square near Thames Street
Mary Street
Old Fort Road
Sherman Street
Touro Street at Kay Street
Washington Street at Boiler Shop
West Howard Street

Culverts Repaired

Harrison Avenue at Chastellux Avenue
Kay Street at Gibbs Avenue

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Ocean Avenue at Carroll Avenue
Yznaga Avenue

Manholes Repaired

Bath Road	3
Fourth Street	2
Spring Street	3
	8

Catch Basins Repaired

Bath Road at Easton's Beach,
Bellevue Avenue at Parker Avenue,
Bull Street at Mount Vernon Street,
Carey Street,
Dixon Street, Bellevue Avenue West,
Duke Street,
Edgar Court, West Side, near end,
Narragansett Avenue at Spring Street,
Pelham Street at Thames Street,
Pelham Street at Spring Street,
Touro Street at Mount Vernon Street,
Van Zandt Avenue at Hall Avenue,
William Street.

Eye Holes Repaired

Bath Road	
Bridge Street at 2 Fire Station	
DeBlois Street	
Duke Street	
Grafton Street	
Hall Avenue at Van Zandt Avenue	2
Lee Avenue at Spring Street	
Kilburn Court at Broadway	
State Street	
Tew's Court	
Third Street at Marsh Street	
Van Zandt Avenue at Hall Avenue	2

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PERMITS FOR STREET AND SIDEWALK OPENINGS, ETC,

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Totals
Laying Gas Service	1	1		14	18	10	15	9	13	9	6	6	102
Laying Gas Mains					1						1		2
Extending Gas Mains										1			1
Repairing Gas Mains	3		1										4
Repairing Gas Services	1					1		2					4
Placing Gas Lamps				4									4
Changing Location of Gas Lamps					1								1
Repairing Gas Lamps				1		1				1			3
Removing Gas Lamps													
Electric Conduit	2		1	1	1	1	1		2	2	2	1	14
Electric Light Repairs					1				3				4
Telephone Conduits	1		1	2				2					6
Repairing Street Railway Tracks	3			1	1	1	2	1	1		2		12
Clearing Drains	2		1	2	3	3			5	1	1	1	19
Repairing and Re-laying Sewers								2				1	3
Rain Water Leader										1	1		2
Laying Granolithic Sidewalks												1	1
Repairing Sidewalks						1			1	1			3
Use of Sidewalk for Building	3	3	2	2	1	1	2	1	2	1	1	1	20
Laying Driveways				2	2	1							5
Closing up Driveways					1								1
Laying Cement Curb					1								1
Removing Dead Tree											1		1
Repairing Foundation Wall			1										1
	16	4	7	29	31	20	20	17	27	17	15	11	214

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STREETS MACADAMIZED (NEW WORK)

Street or Avenue	Tons Cr Stone	Days Steam Roller	Av. Depth Work	Length Feet	Width Feet	Sq. Yds.	Cost per Sq. Yd.	Cost Macadam	Cost Turnpike	Total Cost
Albro Street	238	15½	6 in.	320	17	604	.795	$480.32	$254.09	$734.41
Bush Street	141	10	5 in.	325	15	542	.548	296.99		296.99
Freebody Street, Berkeley to East Bowery Street	35	3	4 in.	315	15	525	.132	78.39		78.39
La Salle Place	75	7	7 in.	328	13	474	.373	176.72		176.72
Waite's Wharf	98	8	5 in.	310	15	517	.416	215.38		215.38
	587	43½		1,598		2,662		$1,247.80	$254.09	$1,501.89

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STREETS RE-MACADAMIZED

Street or Avenue	Tons Cr Stone	Days Steam Roller	Av. Depth Work	Length Feet	Width feet	Sq. Yds.	Cost per Sq Yd.	Total Cost
Ann Street	78	3	5 in.	447	13	645	.20	$129.60
Cranston Avenue	466	17	5 in.	1,245	21	2,905	.26	770.87
Hunter Avenue, Catherine to Champlin Street	155	7½	4 in.	725	21	1,691	.16	286.20
Kingston Avenue	324	19	4 in.	990	18	1,980	.31	621.08
Meeting Street	63	7	4 in.	320	16	567	.29	165.41
Thames Street, Bridge Street to Poplar Street	128	7	5 in.	530	16	942	.25	238.31
Warner Street, Pond Avenue to Farewell Street	266	11	5 in.	1,590	15	2,650	.17	453.76
	1,480	71½		5,847		11,380		$2,665.23

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STREETS RE-SURFACED AND ROLLED

Street or Avenue	Tons Cr Stone	Days Steam Roller	Length Feet	Width Feet	Sq. Yds.	Cost per Sq. Yd.	Total Cost
Bath Road, Bellevue Avenue, West....	164	8½	885	27	2,655	.114	$303.78

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ASPHALT MACADAM

	Asphalt Gals.	Tons Cr Stone	Days Steam Roller	Av. Depth Work	Length Feet	Sq. Yds.	Cost per Sq. Yd.	Total Cost
Bath Road, Freebody Street, west	8,837	1,281	21-6	3 in.	3,634	13,030	.263	$3,423.31
Bellevue Avenue, Kay to Webster Street & Wheatland Avenue, south	14,560	2,175	50-1	3 in.	6,821	20,520	.389	7,997.86
Bull Street	2,269	236	6-5	6 in.	1,124	2,136	.381	814.17
Easton's Beach Road, Bridge, west	14,146	1,600	26-2	6 in.	2,262	7,020	.669	4,700.89
Harrison Avenue, Carroll to Chastellux Avenue	5,641	652	10	4 in.	1,961	5,551	.335	1,861.77
	45,453	5,944	114-6		15,802	48,257		$18,798.00

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New Crossing

Warner Street at Gould Street	19 ft. x 5 ft.

Crossings Re-laid and Repaired

Allan's Court at Spring Street	20 ft. x 7 ft.
Almy's Wharf at Thames Street	28 ft. x 4 ft.
Ann Street at Spring Street	22 ft. x 4 ft.
Annandale Road at Bath Road	17 ft. x 7 ft.
Ayrault Street at Broadway	32 ft. x 14 ft.
Baker's Court at Thames Street	24 ft. x 4 ft.
Barney Street at Spring Street	29 ft. x 7 ft.
Bowen's Wharf at Thames Street	17 ft. x 4 ft.
Bowery Street at Spring Street	33 ft. x 8 ft.
Brewer Street at Spring Street	22 ft. x 7 ft.
Bridge Street at Second Street	40 ft. x 7 ft.
Bridge Street at Thames Street	76 ft. x 6 ft.
Bull's Wharf at Thames Street	24 ft. x 4 ft.
Caleb Earl Street at Broadway	18 ft. x 6 ft.
Central Street at Bull Street	18 ft. x 5 ft.
Champlin's Wharf at Thames Street	18 ft. x 4 ft.
Church Street at Spring Street, east side	20 ft. x 7 ft.
Church Street at Thames Street	21 ft. x 5 ft.
Coddington Street at Thames Street	55 ft. x 6 ft.
Collins Street at Broadway	23 ft. x 13 ft.
Commercial Wharf (north) at Thames Street	15 ft. x 3 ft.
Commercial Wharf (south) at Thames Street	20 ft. x 6 ft.
Cottage Street at Redwood Street	32 ft. x 10 ft.
Cotton's Court at Thames Street	32 ft. x 4 ft.
Cozzen's Court at Thames Street	21 ft. x 4 ft.
Cross Street at Bridge Street	20 ft. x 6 ft.
Daily News at Thames Street	15 ft. x 4 ft.
Dennison Street at Spring Street	25 ft. x 7 ft.
Edward Street at Broadway	20 ft. x 13 ft.
Elm Street at Cross Street	10 ft. x 6 ft.
Equality Park Place at Broadway	89 ft. x 12 ft.
Everett Street at Broadway	56 ft. x 6 ft.
Extension Street at Spring Street	23 ft. x 5 ft.
Fair Street at Spring Street	20 ft. x 7 ft.
Frank Street at Thames Street	20 ft. x 5 ft.
Frank Street at Spring Street	19 ft. x 6 ft. 6 in.
Franklin Street at Thames Street	70 ft. x 5 ft.
Friendship Street at Broadway	22 ft. x 7 ft. 6 in.
Gidley Street at Spring Street	16 ft. x 8 ft.
Government Wharf at Thames Street	39 ft. x 4 ft.
Green Street at Thames Street	28 ft. x 5 ft.

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Howard Street at Spring Street	32 ft. x 6 ft.
Hozier Street at Spring Street	30 ft. x 7 ft.
John Street at Spring Street	22 ft. x 4 ft.
Kilburn Court at Broadway	21 ft. x 11 ft.
Kingston Avenue at Pearl Street, east side	30 ft. x 9 ft.
Kingston Avenue at Pearl Street, west side	30 ft. x 9 ft.
Kingston Avenue at Warner Street	22 ft. x 7 ft.
Long Wharf at Thames Street	9 ft. x 4 ft.
Lopez Wharf at Thames Street	40 ft. x 4 ft.
Mann Avenue at Broadway	35 ft. x 6 ft.
Market Square at Thames Street	48 ft. x 5 ft.
Marlborough Street at Thames Street	52 ft. x 6 ft.
Mary Street at Spring Street, east side	29 ft. x 7 ft.
Mary Street at Thames Street	40 ft. x 4 ft.
Mason Court at Thames Street	26 ft. x 2 ft.
Middleton Avenue at Bath Road	45 ft. x 9 ft.
Mill Street at Spring Street, east side	28 ft. x 8 ft.
Mill Street at Thames Street	54 ft. x 5 ft.
Moffitt Place at Spring St	20 ft. x 6 ft.
Mount Vernon Street at Bull Street	21 ft. x 6 ft.
North Baptist Street at Thames St	30 ft. x 4 ft.
Oak Street at Broadway	23 ft. x 12 ft.
Pearl Street at Kingston Avenue, east side	39 ft. x 9 ft.
Pearl Street at Kingston Avenue, west side	39 ft. x 9 ft.
Pope Street at Spring Street, east side	21 ft. x 8 ft.
Pope Street at Spring Street, west side	22 ft. x 7 ft.
Prospect Hill Street at Spring Street, east side	21 ft. x 7 ft.
Prospect Hill Street at Spring Street, west side	21 ft. x 7 ft. 6 in.
Prospect Hill Street at Thames Street	20 ft. x 5 ft.
Redwood Street at Cottage Street	32 ft. x 8 ft.
Richardson's Passage at Thames Street	19 ft. x 4 ft.
Second Street at Bridge Street	19 ft. x 5 ft.
Sherman Street at Caswell's Estate	25 ft. x 6 ft.
Sherman Street at Spring Street	29 ft. x 8 ft.
Sherman's Wharf at Thames Street	26 ft. x 4 ft.
South Baptist Street at Spring Street	21 ft. x 5 ft.
Touro Street at Court House Street	22 ft. x 7 ft.
Touro Street at Spring Street, east side	70 ft. x 7 ft.
Touro Street at Spring Street; West side	29 ft. x 8 ft.
Vicksburg Place at Warner Street	20 ft. x 7 ft. 6 in.
Washington Street at Bridge Street	23 ft. x 5 ft. 9 in.
West Broadway at Marlborough Street	27 ft. x 5 ft.
West Marlborough Street at Thames Street	85 ft. x 4 ft.
West Pelham Street at Thames Street	32 ft. x 4 ft.
Wilcox Court at Thames Street	20 ft. x 4 ft.

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William Street at Spring Street..... 25 ft. x 8 ft.
Young Street at Spring Street..... 27 ft. x 7 ft.

New Driveways Paved

Granite Blocks :

LaSalle Place at Tripp's..... 19 ft. 4 in. x 1 ft. 6 in.

Cobble :

Bath Road opposite Annandale Road..... 19 ft. x 2 ft.
Gould Street at Fludder's..... 12 ft. x 2 ft.
Warner Street at Nichol's Terrace..... 10 ft. x 18 in.

Driveways Relaid

Ann Street at Bacheller's..... 16 ft. 6 in. x 3 ft. 6 in.
Bellevue Avenue at Hillhouse's..... 36 ft. x 6 ft.
Warner Street at City Cemetery..... 11 ft 7 in. x 9 ft. 6 in.
Kay Street at Case Estate..... 15 ft. x 3 ft.
Kay Street at Case Estate..... 15 ft. x 3 ft.

New Granite Gutters

Broadway at Bedlow Avenue..... 60 ft. x 2 ft.
Broadway at Ledyard Place..... 53 ft. x 2 ft.
Calvert Street at Schoolhouse..... 116 ft. x 2 ft.
La Salle Place, north side..... 327 ft. x 2 ft.
Meeting Street, east side..... 225 ft. x 2 ft.
Ochre Point Avenue at Narragansett Avenue..... 36 ft. x 2 ft.

New Cobble Gutters

Cliff Avenue at Sea View Avenue..... 50 ft. x 2 ft.
East Bowery Street at Middleton Avenue..... 7 ft. 6 in. x 2 ft.
Harrison Avenue at Marchant Street..... 19 ft. x 2 ft.
Prairie Avenue at Champlin Street..... 20 ft. x 2 ft.
Prescott Hall Road at South Mayd Street..... 30 ft. x 2 ft.

New Double Gutter

Granite :

Ocean Avenue at Perry Estate..... 150 ft. x 3 ft.

Gutters Re-paved

Granite Blocks :

Bath Road at Easton's Beach..... 37 ft. x 2 ft.
Bath Road at Middleton Avenue..... 50 ft. x 2 ft.
Bellevue Avenue, Perry Street to Bowery Street 1,000 ft. x 2 ft.
Broadway at Friendship Street..... 40 ft. x 2 ft.
Caleb Earl Street..... 67 ft. x 2 ft.

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Caleb Earl Street	18 ft. x 2 ft.
Calvert Street	22 ft. x 2 ft.
Marsh Street, Third to Washington Street	859 ft. x 2 ft.
Willow Street	313 ft. x 2 ft.

Cobble:

Ann Street	834 ft. x 2 ft. 6 in.
Bath Road, Freebody Street east	1915 ft. x 2 ft. 6 in.
Bath Road at Easton's Beach	198 ft. x 2 ft. 6 in.
Bellevue Avenue, Old Beach Rd. to Redwood	290 ft. x 2 ft.
Bellevue Avenue, Bath Rd. to East Bowery	230 ft. x 5 ft.
Bellevue Avenue, Parker Ave. to Perry St	500 ft. x 2 ft.
Bellevue Avenue, Wheatland to Lake View	430 ft. x 2 ft.
Bellevue Avenue, Lake View to Bailey's Beach	550 ft. x 2 ft.
Bowery Street	20 ft. x 2 ft.
Bridge Street, Third to Washington Street	805 ft. x 2 ft.
Bull Street	1075 ft. x 2 ft.
Bull Street at Central Street	16 ft. x 4 ft. 6 in.
Collins Street	20 ft. x 2 ft.
Court House Street	10 ft. x 2 ft.
Kay Street, Touro Street north	200 ft. x 2 ft.
Kingston Avenue	1686 ft. x 2 ft. 6 in.
Mann Avenue, north side	1025 ft. x 2 ft.
Mann Avenue, south side	1000 ft. x 3 ft.
Meeting Street	224 ft. x 2 ft.
Mill Street near Thames Street	45 ft. x 3 ft.
Mount Vernon Street at Bull Street	375 ft. x 2 ft.
Second Street	122 ft. x 2 ft.
Sherman Street	150 ft. x 2 ft.
South Baptist Street	21 ft. x 2 ft.
Spring Street at Allen's Court	47 ft. x 2 ft.
Third Street	350 ft. x 2 ft.
Tilley Avenue	14 ft. x 2 ft.
William Street	44 ft. x 2 ft.

Double Gutters Repaved

Cobble:

Bath Road at Annandale Road	17 ft. x 7 ft.
Bath Road at Eustis Avenue	35 ft. x 5 ft.
Cottage Street at Redwood Street	42 ft. x 8 ft.
Kingston Avenue at Heath Street, east side	29 ft. x 4 ft. 6 in.
Kingston Avenue at Heath Street, west side	29 ft. x 4 ft. 6 in.
Mann Avenue at Central Street	70 ft. x 6 ft.
Meeting Street at River Lane	15 ft. x 4 ft.

New Granite Curb

Calvert Street at Schoolhouse	100 ft.

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East Bowery Street at Middleton Avenue	5 ft. 4 in.
La Salle Place, north side	305 ft.
Meeting Street, east side	234 ft.
	644 ft. 4 in.

New Granolithic Curb

DeBlois Street	16 ft. 6 in.

New Corners Turned

Granite:	
Broadway at Bedlow Avenue	43 ft.
Broadway at Ledyard Place	53 ft.
Ochre Point Avenue at Narragansett	36 ft.
Van Zandt Avenue at Hall Avenue	65 ft.
Bluestone:	
Cliff Avenue at Sea View Avenue	44 ft.
John Street at Spring Street	6 ft.
Harrison Avenue at Marchant Street	19 ft.
Prairie Avenue at Champlin Street	19 ft.
Prescott Hall Road at Southmayd St.	29 ft.

Bluestone Curb Replaced by Granite
(Damaged by Weaver Fire)

Broadway, Stone Street North	128 ft.
Spring Street, Bull to Sherman St, east side	237 ft.
Spring Street, Bull to Sherman St., west side	109 ft.
	474 ft.

Curbs Reset

Granite	
Broadway at Friendship Street	37 ft.
Marsh Street	859 ft.
Second Street	121 ft.
Third Street	334 ft.
Willow Street	313 ft.
	1,664 ft.
Bluestone:	
Ann Street	613 ft.
Bath Road, Red Cross Ave., east	440 ft.
Bath Road at Easton's Beach	282 ft.
Bellevue Ave, Perry to Bowery St	1000 ft.
Bellevue Ave, Parker to Perry St	200 ft.
Bellevue Ave, Wheatland to Lake View	430 ft.
Bellevue Ave, Lake View to end	200 ft.
Bridge Street, Third to Washington	440 ft.

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Bluestone :

Broadway at Atkinson's	10 ft.
Bull Street	75 ft.
Calvert Street	16 ft.
DeBlois Street	125 ft.
Kay Street	126 ft.
Kingston Avenue	1686 ft.
Mann Avenue	1030 ft.
Tilley Avenue	14 ft.
Warner Street, at City Cemetery	13 ft.
	6,650 ft.

Streets Patched

Annandale Road, Bliss Road, Bowery Street, Bradford Street, Broadway, Brooks Avenue, Callender Avenue, Cannon Street, Carrol Avenue, Catherine Street, Charles Street, Chase Street, Church Street, Cliff Avenue, Cottage Street, East Bowery Street, Elm Street, Eustis Avenue, Fair Street, Farewell Street, Franklin Street, Freebody Street, Friendship Street, Garfield Street, Gibbs Avenue, Girard Avenue, Gould Street, Greenough Place, Halsey Street, Harrison Avenue, Hoffman Place, Homer Street, Houston Avenue, Kay Street, Kay Street Boulevard, Levin Street, Lincoln Street, Malbone Avenue, Mann Avenue, Mary Street, Marlborough Street, Middleton Avenue, Mill Street, Morton Avenue, Mount Vernon Street, Oak Street, Ocean Avenue, Ochre Point Avenue, Old Beach Road, Perry Street, Pond Avenue, Powel Avenue, Prescott Hall Road, Prospect Hill Street, Rhode Island Avenue, Roseneath Avenue, Ruggles Avenue, Second Street, Slocum Street, Summer Street, Spring Street at Pope Street, Third Street, Thurston Avenue, Touro Street, Van Zandt Avenue, Warner Street, Washington Square, Washington Street, Water Works Road, West Broadway, West Marlborough Street, Whitehall Street.

Streets Turnpiked

Albro Street	320 ft. x 17 ft.	604 Sq.	Yds.
Eustis Ave, Kay to Bliss Road	1,680 ft. x 30 ft.	5,600 Sq.	Yds.
	2,000 ft.	6,204 Sq.	Yds.

New Granolithic Sidewalks

Bath Road at Easton's Beach	386 ft. x 13 ft.
Calvert Street at Presbyterian Church	200 ft. x 6 ft. 6 in.
Calvert Street at Schoolhouse	120 ft. x 6 ft.
Harrison Avenue at St. Augustine Church	198 ft. x 4 ft. 6 in.
Meeting Street at Army & Navy Y. M. C. A.	224 ft. x 3 ft.
South Baptist Street, south side	571 ft. x 6 ft. 6 in.

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Sidewalks Repaired

Granolithic :

Bellevue Avenue at Mill Street	73 ft. x 4 ft. 9 in.
Broadway at Atkinson's	6 ft. x 1 ft.
Broadway, bet. Clinton and Bay View Ave	120 ft. x 6 ft.
Franklin Street	4 ft. x 6 ft.
Mary Street	5 ft. x 5 ft.
Mill Street	12 ft. x 2 ft.
Gould Street	10 ft. x 7 ft.
Newport Avenue	10 ft. x 6 ft.
Old Beach Road	15 ft. x 4 ft. 9 in.
Sherman Street at Wilbor's	15 ft. x 5 ft.
Spring Street, Sherman north, east side	184 ft. x 4 ft. 6 in.
Spring Street, Sherman north, west side	108 ft. x 5 ft. 6 in.
Thames Street at Eddy's	31 ft. x 6 ft.
Thames Street at South Baptist Street	12 ft. x 6 ft.
Tilley Avenue at Tilley Estate	14 ft. x 1 ft.

Asphalt Blocks :

Bath Road at Easton's Beach	208 ft. x 8 ft.
DeBlois Street	40 ft. x 8 ft.

Flagstone:

Bridge Street at Green's	67 ft. x 6 ft.
Bridge Street at Westall's	65 ft. x 6 ft.
Calvert Street	20 ft. x 2 ft.

Brick:

DeBlois Street	100 ft. x 3 ft.

Dirt:

Church Street, Spring to Bellevue Avenue	230 ft. x 6 ft.
Division Street	150 ft. x 6 ft.
Freebody Street, East Bowery to Berkeley	300 ft. x 4 ft.
Levin Street	600 ft. x 4 ft.
Pelham Street at Cottrell's Estate	50 ft. x 6 ft.

Cinders:

Bridge Street	483 ft. x 5 ft.
Dearborn Street, north side	582 ft. x 8 ft. 6 in.
Dearborn Street, south side	582 ft. x 8 ft.
Everett Street	960 ft. x 7 ft.
Hammond Street, north side	769 ft. x 8 ft.
Harrison Avenue	198 ft. x 4 ft. 6 in.
Holland Street, north side	615 ft. x 5 ft. 6 in.
Holland Street, south side	320 ft. x 5 ft.
Washington Street	112 ft. x 6 ft.

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Sidewalks Patched

Granolithic:
- Church Street.....

Concrete:
- Market Square.....

Flagstone:
- Ferry Wharf.....
- Market Square.....
- Thames Street at Bryer's Exchange.....

Plank:
- Whitfield Court.....

Dirt:
- Annandale Road.....
- Brinley Street.....
- Bridge Street.....
- Burnside Avenue.....
- Cannon Street.....
- Carroll Avenue.....
- Channing Street.....
- Coddington Street.....
- Dixon Street.....
- Extension Street.....
- Farewell Street.....
- Malbone Avenue.....
- Record Street.....
- Van Zandt Avenue.....

Dirt with Grass Border:
- Rhode Island Ave., Bath Road to Old Beach Road

Crushed Stone:
- Church Street.....

Cinders:
- Bedlow Avenue.....
- Broadway near Bliss Road.....
- Church Street.....
- Farewell Street.....
- Pelham Street at Cottrell Estate.....

Ashes:
- Butler Street.....
- Cannon Street.....
- Chestnut Street.....
- Elm Street.....
- Extension Street.....
- Garfield Street.....
- Kingston Avenue.....

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Ashes:

Levin Street.....
Third Street.....
Van Zandt Avenue.....
Wellington Avenue..... .....
Warner Street..... ....
West Marlborough Street..... .....
West Narragansett Avenue.....
William Street..... .....

Sea Wall Raised and Repaired

Bath Road at Easton's Beach..... 232 ft.

Street Repairs to the Weaver Fire District

One of, if not the worse fire that ever happened in this city, occurred on the 29th of December, 1912. Considerable damage was done to the curb and granolithic sidewalks on Broadway, Spring Street and Sherman Street by the terrific heat from the fire of the Weaver and adjacent buildings.

All repairs have been made with the exception of the granolithic sidewalk in front of the Weaver building on Broadway, which could not be done on account of the erection of the new building.

The total cost was $682.38, which was paid from the appropriation for Street Repairs.

Detail expense as follows, viz:

Broadway Curb.....	$112 48
Spring Street Curb.....	325 72
Spring Street Granolithic Sidewalk.....	237 41
Sherman Street Curb.....	6 77
	$682 38

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COMPARATIVE STATEMENT OF FUEL CONSUMED BY DEPARTMENT

	1911			1912			1913		
	Tons	Cds.	Cost	Tons	Cds.	Cost	Tons	Cds.	Cost
Cumberland Coal at $5.75							124-1000		$709.65
Cumberland Coal at $5.45				116		632.23			
Cumberland Coal at $5.20	173-1800		904.28						
Egg Coal at $7.00				82		574.00			
Egg Coal at $6.85	121		828.85						
White Ash Stove Coal at $7.25							20-1000		148.63
White Ash Stove Coal at $7.00				22		154.00	3		21.00
White Ash Stove Coal at $6.87	3		20.61						
White Ash Stove Coal at $6.85	23		157.55	3		20.55			
Pine Wood at $9.75 cord		33⅞	330.19		38⅞	378.98		35	341.27
	320-1800	33⅞	$2241.48	223	38⅞	$1759.76	148	35	$1220.55

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DEPARTMENT OF HIGHWAYS AND BRIDGES

Forage Consumed at City Stable during the Municipal Year of 1913

Eleven Horses

	Jan. lbs.	Feb. lbs.	Mar. lbs.	Apr. lbs.	May lbs.	June lbs.	July lbs.	Aug. lbs.	Sept. lbs.	Oct. lbs.	Nov. lbs.	Dec. lbs.	Total lbs.	Total Tons	Total Bu.	Total Cost
Hay....	8440	18465		2175	6750	31360				6075	4910	7013	85188	42-1188		$944.73
Oats...	4800	3248	3275	6475	3275	3200	6400	3200	3200	6400	3200	3200	49873		1558-17	777.86
Straw..	420	200	225	440	435	390	385	185	525	394	480	437	4516	2- 516		57.59
Bran...		100	100	100	100	100	100	100	100	100	100	100	1100			15.65
																$1795.83

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INVENTORY OF PROPERTY BELONGING TO THE DEPARTMENT OF HIGHWAYS AND BRIDGES

Office

1	Victor safe	$180 00	
1	Iron safe (City Yard office, Long Wharf)	25 00	
1	Iron safe (Loaned License Commissioners)	140 00	
1	Large Steel filing case	150 00	
1	Small Steel filing case	97 00	
1	Large fireproof cabinet	390 00	
	Furniture, clock, stoves, desk, copypress, etc	55 00	
1	Engineer's transit (City Engineer's Office)	250 00	
1	Set Engineer's drafting instruments	5 50	
1	Plummet lamp	5 00	
1	Exploding battery	25 00	
1	Engineer's level and rod (City Engineer's Office)	50 00	$1372 50

Wharf and Stable

1	Standard Scale	$295 00	
10	Horses	1500 00	
3	Stone wagons	300 00	
4	Dump carts	80 00	
2	Two-horse steel dump carts	300 00	
3	One-horse steel dump carts	375 00	
1	Double gear	75 00	
1	Single gear	50 00	
1	Express wagon	50 00	
1	Street sweeper	10 00	
1	Two-horse roller	200 00	
8	One-horse watering carts	400 00	
9	Two-horse watering carts	900 00	
4	Sets double harness	150 00	
4	Sets cart harness	20 00	
4	Sets single wagon harness	20 00	
7	Waterproof covers	7 00	
12	Woolen blankets	12 00	
7	Baker blankets	7 00	
9	Stable forks	4 50	
2	Wagon jacks	1 00	
3	Steam road rollers	9000 00	
2	Stone trucks	20 00	
10	Iron wheelbarrows	100 00	
2	Lawn mowers	5 00	

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1	Derrick, complete	$150 00
1	Controlling nozzle and pipe	10 00
6	Spanner wrenches	2 50
7	Hydrant wrenches	7 00
2	Ship pumps and hose (50 feet)	75 00
72	Lanterns and globes	36 00
1	Gravel screen	6 00
1	Tree pruner	1 00
6	Ice picks	1 50
4	Cast iron stoves	50 00
4	Jack screws	8 00
1	Asphalt pot	3 00
2	Babbitt pots	2 00
2	Tar kettles on wheels	266 00
2	Claw hammers	30
1	Machinist hammer	50
1	Asphalt repair plant and tools, complete	400 00
6	Asphalt maddocks	6 00
3	Three-inch augers	12 00
4	Small augers	2 00
1	Breast drill	2 00
4	Crosscut saws	6 00
1	Bit stock	2 00
8	Hand saws	4 00
1	Wood saw	1 00
1	Hack saw	1 00
4	Straight edges	4 00
2	Plows	25 00
2	Stone axes	3 00
34	Cutting tools	3 40
6	Hand drills	3 00
16	Iron bars	16 00
4	Tampers	4 00
3	Iron pounders	3 00
70	Iron pins	17 50
300	Lbs. steel	24 00
3	Striking hammers	4 50
9	Sledges	13 50
2	Anvils	7 50
2	Paving pounders	2 00
19	Picks	9 50
4	Levels	2 00
2	Four-wheel asphalt heaters	650 00
6	Trench braces	18 00
3	Maddocks	1 50
6	Iron rakes	4 50

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2	Tape measures	$1 00
1	Steel tape measure	7 50
24	Guard pins and ropes	4 80
2	Manhole guards	5 00
1	Hydrant valve	2 00
4	Tool boxes	10 00
3	Sets Blocks and falls	15 00
10	Stilson wrenches	10 00
4	Monkey wrenches	2 00
2	Pair chain tongs	10 00
2	Bolt cutters	1 00
3	Bench vises	12 00
1	Flush tank	30 00
1	24-inch manhole cover and rim	9 50
18	Long handle shovels	18 00
6	Short handle shovels	4 50
1	Stone roller	25 00
7	Large axes	10 50
5	Ox chains	5 00
6	Spades	6 00
4	Scythes and blades	6 00
3	Squares	3 00
1	Trowel	50
16	Hoes	9 60
2	Pair Oilskin pants	2 00
11	Suits Oilskins	22 00
10	Pair rubber boots	50 00
6	Pipe wrenches	3 00
3	California pumps	4 50
2	Smoothing trowels	1 50
1	Pair trimming shears	1 50
2	Step ladders	2 00
1	Joiner (Granolithic tool)	1 00
1	Emery wheel	5 00
3	Planes	6 25
2	Screw drivers	1 00
1	Set dies and tape	15 00
1	Bevel	1 00
1	Pipe cutter	1 00
1	Painter's torch	1 50
2	Sets stencils	3 00
1	Hatchet	50
3	50-gallon oil cans	12 00
2	Funnels	50
2	½ gallon measures	1 00
1	Blacksmith's portable forge	12 60

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1	Pair snips	$2 00	
1	Set sewer cleaning rods and fittings	50 00	
6	Sewer brushes	73 00	
1	Soldering iron	1 50	
1	Ratchet drill and 16 drills	18 00	
2	Iron clamps	1 00	
1	Drawing knife	1 00	
1	Extension bit	1 25	
1	Norton jack (15 ton)	48 00	
1	Extension ladder (30 feet)	3 00	
1	Ladder (18 feet)	2 00	
1	Upright self-feeding drill and 14 drills	29 00	
3	Five-gallon oil cans	3 00	$16340 70
	Settling Tank		
1	Centrifugal pump and fittings	$300 00	
1	Hoisting engine	150 00	
1	Boiler	365 00	$815 00
	Quarry		
1	Crusher engine and boiler	$4500 00	
1	Fairbank's scales	100 00	
1	Bellows	15 00	
2	Vises	10 00	
1	Anvil	7 00	
1	Chain fall	10 00	
1	McKiernan Steam drill and fittings	296 00	$4938 00
	Ocean Avenue		
1	Steam boiler, pump and tanks	$500 00	
1	Windmill (pump at yard) formerly at Bailey's Beach	500 00	$1000 00
	Collins Beach		
1	Steam boiler, pump and tank		$500 00
	Hazard's Beach		
1	Steam boiler, pump and tank		$700 00
	Long Wharf		
1	Steam boiler, pump and tank		$300 00
	Second Ward Sewerage System		
	Pump house, tank, electric motors and pumps, etc		$7500 00
			$33466 20

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STATEMENT OF CASH RECEIVED AND DEPOSITED WITH THE CITY TREASURER DURING THE MUNICIPAL YEAR OF 1913

General Fund		Highway Fund	
Wharfage	$211 66	Materials	$323 56
Weighing	120 35	Relaying Roadbeds	3549 02
Permits	156 50	Repairing Sidewalks	2 28
Street Sweepings	234 00	Old Lumber	11 00
Manure	69 50	Use of Steam Roller	268 63
Outstanding Accounts	8 00	Use of Tar Kettle	15 00
Junk	36 31	Use of Sewer Rods	50
Old Stone	50	Use of Horse Roller	6 00
		Use of Pump	100 00
		Applying Dustoline	200 00
		Sewer Repairs	46 12
		Catch Basins Repairs	19 53
	$838 82		$4,550 64

RECEIPTS AND EXPENDITURES OF ACCOUNTS IN CHARGE OF THE DEPARTMENT OF HIGHWAYS AND BRIDGES FOR THE MUNICIPAL YEAR 1913

Receipts

Appropriation	$157,700 00
Appropriation, Calvert St. Granolithic Sidewalk	300 00
Appropriation, Harrison Ave. Granolithic Sidewalk	300 00
Appropriation, Calvert St. Curb and Granolithic Sidewalk	425 00
Appropriation, South Baptist St. Granolithic Sidewalk	650 00
Cash received and deposited with the City Treasurer to the credit of the Highway Fund, as per above statement	4,550 64
	$163,925 64

Disbursements

Paid for labor	$87,856 26
Paid for Materials	43,702 92
Balance unexpended	32,366 46
	$163,925 64

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STATEMENT SHOWING APPROPRIATIONS, DEPOSITS WITH CITY TREASURER, DISBURSEMENTS AND BALANCES OF ACCOUNTS IN CHARGE OF THE DEPARTMENT OF HIGHWAYS AND BRIDGES DURING THE MUNICIPAL YEAR OF 1918

	Appropriation	Deposit City Treas.	Total Appro.	Disbursement	Balances
PUBLIC WEIGHTS AND MEASURES					
3.7 City Scales, City Wharf	$25.00	$	$25.00	$4.75	$20.25
PUBLIC SAFETY					
3.8—Railroad Crossings	25.00		25.00		25.00
PUBLIC SANITATION					
5.0—Supervision	2,640.00		2,640.00	2,609.43	30.57
5.1—Street Cleaning	30,000.00		30,000.00	29,809.11	190.89
5.2—Refuse Disposal					
Collection and Disposal	10,100.00		10,100.00	10,033.66	66.34
Labor at Dumps, etc	1,500.00		1,500.00	1,410.61	89.39
Install Refuse Cans	200.00		200.00	187.02	12.98
5.3—Sewers and Sewerage Disposal	8,500.00	175.15	8,675.15	8,371.26	303.89
5.3—Settling Tank, clean, etc	700.00		700.00	673.72	26.28
5.3—Second Ward Sewerage System	1,000.00		1,000.00	899.39	100.61
5.3—SEWER CONSTRUCTION					
Marchant Street	6,000.00		6,000.00	3,026.61	2,973.39
Sylvan Street	600.00		600.00	575.00	25.00
Third Street	10,000.00		10,000.00		10,000.00
Casey Court	10,000.00		10,000.00		10,000.00
King Street	150.00		150.00	43.20	106.80
5.3—CATCH BASIN CONSTRUCTION					
Cliff Avenue	100.00		100.00	98.92	1.08
East Bowery Street	100.00		100.00	95.11	4.89
Marchant Street	1,125.00		1,125.00	1,079.10	45.90
	$82,715.00	$175.15	$82,890.15	$58,912.14	$23,978.01

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	PUBLIC HIGHWAYS AND BRIDGES					
6.0	Supervision	$3,440.00	$	$3,440.00	$3,290.20	$149.80
6.2	Street Repairs	27,000.00	3,963.49	30,963.49	30,921.38	42.11
6.2	Bellevue Avenue, asphalt macadam	8,000.00		8,000.00	7,997.86	2.14
6.2	Easton's Beach Road, asphalt macadam	4,500.00	201.00	4,701.00	4,700.89	11
6.2	Sea Wall Repairs	400.00		400.00	135.62	264.38
6.2	City Yard Building Repairs	500.00		500.00	240.05	259.95
6.2	Horses	750.00		750.00	550.00	200.00
6.2	5-ton Tandem Roller	2,150.00		2,150.00	2,075.00	75.00
6.2	Repairs to house, damaged by runaway roller, transferred from Bush Street and Freebody Street	500.00		500.00	262.36	237.64
6.3 4 5	CONSTRUCTION					
	Albro Street, macadam, etc.	840.00		840.00	740.78	99.22
	Bush Street, macadam 675.00					
	Transferred 300.00	375.00		375.00	341.91	33.09
	Eustis Avenue, turnpike	700.00		700.00	598.06	101.94
	Freebody Street, macadam 350.00					
	Transferred 200.00	150.00		150.00	102.60	47.40
	LaSalle Place, curb and macadam	1,105.00		1,105.00	803.82	301.18
	Waites Wharf, macadam	350.00		350.00	265.24	84.76
	Meeting Street, curb and granolithic sidewalk	775.00		775.00	633.33	141.67
	Calvert Street, granolithic sidewalk	300.00		300.00	202.14	97.86
	Harrison Avenue, granolithic sidewalk	300.00		300.00	277.80	22.20
	Calvert Street, curb and granolithic sidewalk	425.00		425.00	312.99	112.01
	South Baptist Street, granolithic sidewalk	650.00		650.00	486 41	163.59
6.6	Snow Removal	3,500.00		3,500.00	111.03	3,388.97
6.8	Street Sprinkling	13,500.00	200.00	13,700.00	13,641.32	58.68
6.9	Bridge Repairs	1,000.00		1,000.00	359.28	640.72
6.9	CONSTRUCTION					
	Easton's Beach Bridge	2,000.00	11.00	2,011.00	1,514.51	496.49
		$73,210.00	$4,375.49	$77,585.49	$70,564.58	$7,020.91

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	Appropriations	Deposit City Treas.	Total Appro.	Disbursements	Balances
PUBLIC RECREATIONS					
9.5—Bathing Beaches	$500.00		$500.00	$381.94	$118.06
Forty Steps	50.00		50.00	26.02	23.98
City Piers	1,000.00		1,000.00	334.57	665 43
	$1,550.00		$1,550.00	$742.53	$807.47
PUBLIC RECREATIONS, MISCELLANEOUS					
9.7—Tree Preservation	$600.00		$600.00	$411.68	$188.32
City Fountains	150.00		150.00	69.50	80.50
	$750.00		$750.00	$481.18	$268.82
PUBLIC DOCKS AND WHARVES					
10.7—City Wharf	$900.00		$900.00	$812.23	$87.72
City Floats	50.00		50.00	41.72	8.28
City Brows	150.00		150.00		150.00
	$1,100.00		$1,100.00	$854.00	$246.00
SUMMARY					
Public Weights and Measures	$25.00	$	$25.00	$4.75	$20.25
Public Safety	25.00		25.00		25.00
Public Sanitation	82,715.00	175.15	82,890.15	58,912.14	23,978.01
Public Highways and Bridges	73,210.00	4,375.49	77,585.49	70,564.58	7,020.91
Public Recreations	1,550.00		1,550.00	742.53	807.47
Public Recreations, Miscellaneous	750.00		750.00	481.18	268.82
Public Docks and Wharves	1,100 00		1,100.00	854.00	246.00
	$159,375.00	$4,550.64	$163,925.64	$131,559.18	$32,366.46

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SUMMARY OF EXPENDITURES OF THE DEPARTMENT OF HIGHWAYS AND BRIDGES FOR THE MUNICIPAL YEAR OF 1913

		Labor	Materials	Total
	Public Weights and Measures.			
3.7	City Scales, City Wharf.....	$2 75	$2 00	$4 75
	Public Sanitation.			
5.0	Supervision....	$2544 23	$65 20	$2609 43
5.1	Street Cleaning :			
	Cleaning Streets..... ...	15155 49	323 71	15479 20
	Cleaning Thames Street.....	6001 34	567 47	6568 81
	Cleaning Spring Street.....	2365 33	185 17	2550 50
	Cleaning Broadway	2119 04	199 28	2318 32
	Cleaning Long Wharf.....	907 69	63 73	971 42
	Cleaning Bellevue Avenue....	1827 73	25 64	1853 37
	Clean-up-days.....	37 94	23 30	61 24
	Cleaning Dock, Long Wharf..	6 25		6 25
5.2	Refuse Disposal :			
	Collection and Disposal.....	10033 66		10033 66
	Labor at Dumps etc.....	1405 72	4 89	1410 61
	Install Refuse Cans.....	33 78	153 24	187 02
5.3	Sewers and Sewerage Disposal :			
	Cleaning Main Sewers.....	2425 06	207 09	2632 15
	Cleaning Culverts..	49 29	7 54	56 83
	Sewer Repairs.....	99 38	84 03	183 41
	Culvert Repairs.....	39 29	17 59	56 88
	Cleaning catch basins and eyes	3036 32	477 89	3514 21
	Repairing catch basins and eyes	305 48	47 40	352 88
	Repairing manholes.....	40 78	11 14	51 92
5.3	Construction, (emergency Sewers) :			
	Bay Side Avenue, extend....	136 53	51 57	188 10
	Calvert Street (Greene	78 35	25 32	103 67
	Champlin Street, Hunter Avenue, south	64 86	6 15	71 01
	Coggeshall Avenue, Morton Avenue, south	103 07	28 66	131 73
	Kay Terrace.....	191 08	57 16	248 24
	Peckham Avenue, extend. ..	90 16	31 90	122 06
	Roseneath Avenue, extend...	101 99	36 81	138 80
	Vaughan Avenue.	202 26	50 82	253 08
	Harrison Avenue Culvert....	128 84	1 37	129 71

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5.3	Construction, (emergency catch basins and eyes):			
	Harrison Avenue, catch basin	$13 46	$16 04	$29 50
	Sea View Avenue eye.....	47 94	12 79	60 73
	Tew's Court eye.....	33 05	13 30	46 35
5.3	Settling tank:			
	Cleaning..... ...	284 83	106 31	391 14
	Repairs.	223 61	58 97	282 58
5.3	Second Ward Sewerage System:			
	Maintenance.....	28 25	628 94	657 19
	Kay Street boulevard sewer, Eustis Avenue, east.....	172 64	69 56	242 20
5.3	Sewer Construction (Special):			
	King Street.....	41 83	1 37	43 20
	Marchant Street.....	1585 08	1441 53	3026 61
	Sylvan Street.....	445 57	129 43	575 00
5.3	Catch Basin Construction (Special):			
	Cliff Avenue.....	59 36	39 56	98 92
	East Bowery Street.....	60 21	34 90	95 11
	Marchant Street..... ..	673 21	405 89	1079 10
		$53199 48	$5712 66	$58912 14

Public Highways and Bridges.

6.0	Supervision	$2836 04	$454 16	$3290 20
6.2	Street Repairs,			
	Repairs:			
	General Repairs Streets.....	908 65	1093 14	2001 79
	Annandale Road.....	18 66	57 03	75 69
	Ayrault Street.....	18 86	5 30	24 16
	Bellevue Avenue.....	9 22	2 70	11 92
	Bliss Road.....	135 64	161 82	297 46
	Broadway.....	103 29	115 93	219 22
	Carey Street.....	42 13	67 50	109 63
	Cherry Street....	28 85	42 63	71 48
	Dean Avenue.....	42 58	97 74	140 32
	Dresser Street.....	39 02	37 98	77 00
	Elm Street.....	114 30	189 42	303 72
	Elliott Place.....	19 00	16 74	35 74
	Equality Park Place.....	9 50	12 06	21 56
	Eustis Avenue.....	77 65	2 05	79 70
	Fair Street.....	26 55	27 98	54 53
	Friendship Street.....	61 11	18 98	80 09
	Garfield Street.....	9 78	4 11	13 89
	Girard Avenue..... . ..	15 00		15 00

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6.2. **Street Repairs:**			
Hammond Street	$63 06	$136 08	$199 14
Harrison Avenue	320 56	630 53	951 09
Hoffman Place	27 75		27 75
Ledge Road	28 50	19 44	47 94
Mann Avenue	71 30	138 85	210 15
Market Square	33 37	63 93	97 30
Malbone Road	15 00		15 00
Marine Avenue	23 13	12 96	36 09
Mill Street	94 16	110 81	204 97
Narragansett Avenue	28 50	39 42	67 92
Ocean Avenue	527 68	847 17	1374 85
Pearl Street	9 43	11 53	20 96
Pelham Street	46 79	55 13	101 92
Red Cross Avenue	81 11	135 92	217 03
Ridge Road	51 39	34 56	86 15
Ruggles Avenue	77 57	158 76	236 33
Second Street	80 56	184 82	265 40
Third Street	207 22	346 79	553 91
Tenro Street	6 41	4 14	10 55
Training Station Road	25 05	21 00	46 05
Washington Square	6 52	10 24	16 76
Washington Street	27 96	7 08	35 04
West Broadway	45 07	84 90	132 97
Re-macadamize:			
Ann Street	28 29	101 31	129 60
Cranston Avenue	165 72	605 16	770 87
Hunter Avenue	79 32	206 88	286 20
Kingston Avenue	182 23	438 85	621 08
Meeting Street	71 38	94 23	165 41
Thames Street (upper)	60 58	177 73	238 31
Warner Street	104 87	348 89	453 76
Re-surface:			
Bank Rd., Bellevue to Freeborn	83 03	225 75	308 78
Asphalt Macadam:			
Bank Rd., Freeborn St., east	806 44	2617 87	3423 31
Bell Street	147 29	366 88	514 17
Harrison Ave., Carroll Ave., west	891 80	1470 97	2362 77
Re-Grade:			
Bank Rd., Foot of Hill, west	330 39	2 06	332 45
Pavement Repairs:			
Bower's Wharf	8 80	34	9 14
Broadway	511 57	528 10	1039 87
Spring St., Bay State St. Ry. Co.	96 84	229 21	326 05

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6.2 Street Repairs:			
Spring St., (Bay State St. Ry. Co.)	$57 21	$31 02	$88 23
Spring Street	164 18	177 30	341 48
Thames Street	17 99	7 02	25 01
Sidewalks:			
General Repairs Sidewalks	381 06	121 37	502 43
Annandale Road	25 50		25 50
Bath Road at Rhode Island Avenue	35 81		35 81
Bath Road at Easton's Beach.	64 23	2 74	66 97
Bridge Street	9 89	5 05	14 94
Church Street	1 58	2 29	3 87
Dearborn Street	48 96	21 99	70 95
Everett Street	15 32	6 11	21 43
Frank Street	31 57	4 20	35 77
Hammond Street	32 42	14 40	46 82
Harrison Avenue	18 75		18 75
Holland Street	5 50	5 12	10 62
Rhode Island Avenue	160 70		160 70
Spring Street at 352	7 17	1 56	8 73
Whitfield Court	6 87	22 57	29 44
Spring Street (granolithic)	153 28	84 13	237 41
General Repairs (granolithic)	323 84	128 45	452 29
Re-set Curb:			
Ann Street	247 44	32 75	280 19
Bath Road at Easton's Beach.	105 50	6 85	112 35
Bath Road, Foot of Hill; west	378 30	39 77	418 07
Bellevue Avenue	567 32	105 38	672 70
Bridge Street	185 01	23 61	208 62
DeBlois Street	40 10	5 54	45 64
Kay Street	29 64	6 38	36 02
Kingston Avenue	403 52	68 92	472 44
Mann Avenue	365 10	63 08	428 18
Marsh Street	148 90	14 81	163 71
Second Street	19 22	4 21	23 43
Third Street	101 49	10 96	112 45
Willow Street	76 38	5 29	81 67
New Corner Curbs:			
Bedlow Ave. and Broadway	77 02	57 64	134 66
Cliff and Sea View Avenue	69 57	13 43	83 00
East Bowery and Middleton Avenue	9 50	2 67	12 17
Harrison Avenue and Marchant Street	19 44	19 09	38 53
John St. and Spring St.	13 67	7 56	21 23

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6.2.	Street Repairs:			
	Ledyard Pl. and Broadway...	$96 26	$61 24	$157 50
	Ochre Point and Narragagansett Ave.....	49 58	39 29	88 87
	Prairie Avenue and Champlin Street.....	22 25	7 85	30 10
	Prescott Hall and So. Mayd St.	37 69	10 21	47 90
	Van Zandt Ave. and Hall Ave.	116 32	74 75	191 07
	Moving back Curb:			
	Friendship St. and Broadway.	75 51	11 50	87 01
	Replace Curb:			
	Broadway at Weaver Building	47 20	65 28	112 48
	Sherman Street.....	6 08	69	6 77
	Spring Street..	155 01	170 71	325 72
	Tilley Avenue.....	11 96	1 85	13 81
	Granolithic Curb:			
	Deblois Street.....	36 40	6 58	42 98
	Repair Curb:			
	Broadway near Caleb Earl St.,	5 33	69	6 02
	Crossings:			
	Repair and Relay.....	2023 23	2426 13	4449 36
	Gutters:			
	General Repairs.....	55 92	7 02	62 94
	Bellevue Avenue.....	11 00	1 35	12 35
	Bull Street.	175 93	34 50	210 43
	Meeting Street.....	50 11	9 60	59 71
	Mount Vernon Street.....	29 18	7 09	36 27
	Sherman Street.....	14 58	69	15 27
	Driveways:			
	Relay and Repair.....	66 39	9 35	75 74
	Gould Street at No. 41.....	11 00	1 93	12 93
6.2	Bellevue Ave. Asphalt Macadam	1861 45	6136 41	7997 86
6.2	Easton's Beach Road Asphalt Macadam.....	796 43	3904 46	4700 89
6.2	Sea Wall Repairs:			
	Ocean Ave. at Graves Point..	61 78	19 14	80 92
	Easton's Beach.....	41 06	1 37	42 43
	Briggs Wharf.....	11 59	68	12 27
6.2	City Yard Building Repairs.....	133 50	106 55	240 05
6.2	Horses		550 00	550 00
6.2	5-ton Tandem Roller.....		2075 00	2075 00
6.2	House damaged by runaway team.....	215 2	47 34	262 36

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6.3-4-5	Construction:			
	Albro Street, turnpike, macadamize, etc.	$412 20	$328 58	$740 78
	Bush Street, macadamize, etc.	134 46	207 45	341 91
	Eustis Avenue, turnpike, Kay to Bliss	577 61	20 45	598 06
	Freebody Street, East Bowery to Berkeley Avenue, macadamize, etc.	46 16	56 44	102 60
	LaSalle Place, curb north side and macadamize	334 87	468 95	803 82
	Waites Wharf, macadamize, etc.	118 30	146 94	265 24
	Meeting Street, curb and granolithic sidewalk at Army and Navy Y. M. C. A.	322 74	310 59	633 33
	Calvert Street, granolithic sidewalk at Presbyterian Church	131 42	70 72	202 14
	Harrison Avenue, granolithic sidewalk at St. Augustine Church	179 59	98 21	277 80
	Calvert Street, curb and granolithic sidewalk at Calvert School	190 77	122 22	312 99
	South Baptist Street, granolithic sidewalk	270 68	215 73	486 41
6.6	Snow Removal	81 00	30 03	111 03
6.8	Street Sprinkling:			
	Watering, repairs	1241 22	523 90	1765 12
	Watering, apply	7473 94	358 72	7832 66
	Applying dustoline	168 37	3875 17	4043 54
6.9	Bridge Repairs:			
	Van Zandt Avenue	143 17	213 04	356 21
	Green Bridge, Ocean Avenue	2 75	32	3 07
6.9	Construction:			
	Easton's Beach Bridge	797 56	603 23	1400 79
	Easton's Beach Bridge, posts, etc.	94 71	19 01	113 72
		$32921 96	$37642 62	$70564 58

Public Recreations.

9.5	Easton's Beach	$380 23	$1 71	$381 94
	Forty Steps	24 00	2 02	26 02

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	Public Recreations:		
	City Piers:		
	Ann Street		$112 00	$112 00
	Elm Street	2 67	5 16	7 83
	Van Zandt Avenue	154 28	60 46	214 74
		$561 18	$181 35	$742 53
	Miscellaneous			
9.7	City Fountains:			
	Cleaning	$26 05	$1 69	$27 74
	Repairs:			
	Paid freight on fountain		96	96
	Bellevue Avenue at Bailey's Beach	3 50	90	4 40
	Easton's Beach	1 00		1 00
	Thames St., opp. Wellington Avenue	7 00	2 05	9 05
	Touro Park, west	2 00	20	2 20
	Washington Square	3 50	9 50	13 00
	West Broadway	6 50	4 65	11 15
9.7	Tree Preservation:			
	Trim and remove	248 41	31 02	279 43
	Spraying	127 00	5 25	132 25
		$424 96	$56 22	$481 18
	Public Docks and Wharves			
10.7	City Wharf	$718 06	$94 22	$812 28
	City Floats	27 87	13 85	41 72
		$745 93	$108 07	$854 00

Summary

Public Weights and Measures	$2 75	$2 00	$4 75
Public Sanitation	53199 48	5712 66	58912 14
Public Highways and Bridges	32921 96	37642 62	70564 58
Public Recreations	561 18	181 35	742 53
Public Recreations, Miscellaneous	424 96	56 22	481 18
Public Docks and Wharves	745 93	108 07	854 00
	$87856 26	$43702 92	$131559 18

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EASTON'S BEACH IMPROVEMENT

Upon request of the Honorable Board of Aldermen, this department made the following improvements at Easton's Beach, the expense of which was paid from the special appropriation for this purpose.

Street Commissioner's Estimate $1,790.00; Disbursement $1,529.24; Balance $230.76.

Improvements

Retaining Wall—444′ x 3′ x 17″—containing 75½ cubic yards.	$279 45
Granite Curb and Gutter, 373 feet in length	623 48
Granolithic Sidewalk, 386 feet, containing 557.6 sq. yds.	626 31
Total Cost	$1529 24

Detail expense of which is as follows, viz:

Retaining Wall

Labor as per Pay Rolls		$222 61
Cement		56 24
Spikes		60
		$279 45

Laying Granite Curb

Labor as per Pay Rolls		$33 00	
Labor		240 31	$273 31
Granite Curb		$230 66	
Granite Culls		119 51	$350 17
			$623 48

Granolithic Sidewalk

Labor as per Pay Rolls			$379 70
73–400 tons Crushed Stone		$87 84	
11 bbls. Cement @ 1.62	$17 82		
87 bbls. Cement @ 1.47	127 89	145 71	
Lumber		96	
New Tools		4 40	
Tool Repairs		30	
Tarred Paper		2 00	
45 lbs. Lampblack		5 40	246 61
			$626 31

Playgrounds

Also by request of the Honorable Board of Aldermen, this department graded and rolled the two new playgrounds, the expense of which was paid from the appropriation for that purpose, viz:

Ruggles Avenue	$245 92
Vernon Avenue	5 72
	$251 64

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DETAIL OF EXPENDITURES OF THE DEPARTMENT OF HIGHWAYS AND BRIDGES FOR THE MUNICIPAL YEAR OF 1913.

PUBLIC WEIGHTS AND MEASURES

June

1	Simon Hart, scale books	$2 00

December

	Pay Rolls	2 75
		$4 75

PUBLIC SANITATION

January

1	Blaisdell Paper Pencil Company, pencils	$1 65
2	Wm. B. Scott & Company, brooms	35 00
3	John H. Sullivan, refuse disposal, contract	380 25
4	John H. Sullivan, refuse disposal	455 00
5	Wm. B. Scott & Company, clam digger	75
6	J. D. Johnson, lumber	12 93
7	Wm. B. Scott & Company, pail	65
8	S. W. Coggeshall, bit	30
9	J. T. O'Connell, sieve	15
10	Boston & Lockport Block Company, valve rubbers	7 20
11	Highways and Bridges, express	25
12	J. K. Sullivan, gravel	12
13	M. F. Shea, cart repairs	1 50
14	Charles S. Goddard, tool repairs	75
15	Alexander J. Fludder, pipe	1 14
16	J. K. Sullivan, gravel	23
17	Scannevin & Potter, inspection sewer pumping station	10 00
18	Bay State Street Railway Company, electricity	17 69
19	J. K. Sullivan, gravel	42
20	John M. Friend, pipe	43 70
	Pay Rolls	1772 76
		$2742 44

February

21	The Milne Printery, printing	$5 00
22	L. C. Smith & Bros. Typewriter Company, repairs	4 45
23	S. W. Coggeshall, scoop	1 50
24	John H. Sullivan, refuse disposal	780 00
25	S. W. Coggeshall, fork	75

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26	Wm. B. Scott & Company, screws	$ 28
27	Charles S. Goddard, iron rod	25
28	J. K. Sullivan, gravel	08
29	Stephen L. Goddard, repair faucet	50
30	J. K. Sullivan, gravel	22
31	Alexander J. Fludder, grate and frame, cement, etc.	10 92
32	A. & H. G. Hammett, brick	3 45
33	J. K. Sullivan, gravel	30
34	The Bay State Street Railway Co., electricity	37 11
35	S. W. Coggeshall, copper wire	44
36	J. T. O'Connell, wire rope	1 00
	Pay Rolls	1442 49
		$5031 18

March

37	Ward Printing Company, printing	$7 50
38	Harry L. DeBlois, street hoes	19 50
39	Wm. B. Scott & Company, brooms, etc	87 75
40	M. F. Shea, cart repairs	45 00
41	John H. Sullivan, refuse disposal	200 00
42	John H. Sullivan, refuse disposal	417 50
43	James S. Ramlose, rubber boots	13 05
44	Harold L. Bond Company, couplings, etc	54 30
45	Boston & Lockport Block Company, hose, etc	44 50
46	N. Y., N. H. & H. R. R. Co., freight	50
47	The Blake & Knowles Pump Works, valves	2 94
48	J. K. Sullivan, gravel	98
49	Alexander J. Fludder, pipe and cement	7 35
50	James S. Ramlose, rubber boots	6 50
51	P. F. McDonald, cart repairs	18 20
52	John M. Friend, pipe	6 84
53	J. K. Sullivan, gravel	22
54	Charles S. Goddard, tool repairs	20
55	The Bay State Street Railway Co., electricity	49 94
56	J. T. O'Connell, rope	5 70
	Pay Rolls	1842 35
		$7862 00

April

57	John Gladding Jr., printing	$5 50
58	George H. Carr, office supplies	2 80
59	Wm B. Scott & Company, dust cloth	25
60	S. W. Coggeshall, tools,	10 25
61	D. J. Sullivan, tool repairs	1 10
62	M. F. Shea, cart repairs	1 25
63	Neffer and Hattub, refuse disposal, contract	214 59

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64	Neffer and Hattub, refuse disposal, contract	$799 59
65	S. W. Coggeshall, padlock etc	53
66	James S. Ramlose, repair rubber boots	1 15
67	S. W. Coggeshall, shovels	27 50
68	Alexander J. Fludder, pipe	1 01
69	J. K. Sullivan, gravel,	11
70	D. J. Sullivan, tool repairs	1 25
71	A. and H. G. Hammett, lumber	36
72	M. F. Shea, cart repairs	32 00
73	Charles S. Goddard, hoop on pail	25
74	J. K. Sullivan, gravel	04
75	Charles S. Goddard, tool repairs	30
76	M. F. Shea, iron, etc	2 52
77	D. J. Sullivan, tool repairs	35
78	John M. Friend, pipe	27 30
79	J. K. Sullivan, gravel	23
80	D. J. Sullivan, tool repairs	1 40
81	Alexander J. Fludder, pipe and cement	100 38
82	John M. Friend, brick	8 63
83	J. K. Sullivan, gravel	1 47
84	D. J. Sullivan, tool repairs	1 50
85	The Bay State Street Railway Co., electricity	69 40
	Pay Rolls	4477 20
		$13652 21

May

86	Simon Hart, office supplies	$1 60
87	Vacuum House Cleaning Co., Cleaning rugs	75
88	Wm. B. Scott & Company, tools	14 20
89	Harry L. DeBlois, street hoes	19 50
90	H. L. Marsh Company, bag	25
91	J. T. O'Connell, sash cord	1 27
92	D. J. Sullivan, dressing pins	50
93	Lynch Brothers, cart repairs	50
94	Neffer & Hattub, refuse disposal, contract,	799 59
95	J. D. Johnston, lumber	1 16
96	Fuller Iron Works, manhole ring and grate	9 00
97	Charles S. Goddard, cart repairs	1 05
98	Bay State Street Railway Co., electricity	73 81
	Pay Rolls	3662 68
		$18238 07

June

99	Wm. B. Scott & Company, brooms, etc	$44 50
100	S. W. Coggeshall, sash cord	1 23
101	T. T. Pitman Corp., advertising services	8 75

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102	Herald Publishing Co., advertising services	$7 70
103	Neffer & Hattub, refuse disposal, contract	799 59
104	S. W. Coggeshall, fork	95
105	The Dyar Supply Co., refuse cans	100 00
106	Highways and Bridges, express	2 74
107	J. T. O'Connell, cotton rope	2 00
108	Newport Gas Light Company, pipe	9 60
109	Alexander J. Fludder, cement	1 14
110	J. K. Sullivan, gravel	1 16
111	P. J. Burns, kerosene	5 00
112	Highways and Bridges, freight	37
113	James P. Taylor, oil hat	50
114	Charles S. Goddard, repair pail	50
115	Alexander J. Fludder, cement	37
116	J. K. Sullivan, gravel	11
117	The Bay State Street Railway Co., electricity	85 53
	Pay Rolls	3959 54
		$23269 35

July

118	Ward Printing Company, printing	$7 00
119	Wm. B. Scott & Company, brooms	42 00
120	S. W. Coggeshall, shovel, etc	1 80
121	J. T. O'Connell, marline	25
122	Wm. K. Covell, watering pot	60
123	Neffer & Hattub, refuse disposal, contract	799 59
124	Philip F. Conroy, pipe and labor	34 28
125	Broadway Hardware Company, locks	4 00
126	Thos. F. Keeher, lumber and milling	4 24
127	Alexander J. Fludder, cement	2 20
128	J. K. Sullivan, gravel	49
129	J. T. O'Connell, bronzite	50
130	Alexander J. Fludder, cement	3 96
131	J. K. Sullivan, gravel	86
132	John M. Friend, cement	45
133	Lynch Brothers, cart repairs	40
134	Wm. B. Scott & Company, pails	1 30
135	Charles S. Goddard, hoops on pails	1 25
136	S. W. Coggeshall, mortar hoe	65
137	Alexander J. Fludder, cement	2 57
138	J. K. Sullivan, gravel	11
139	D. J. Sullivan, tool repairs	3 50
140	The Bay State Street Railway Co., electricity	53 23
141	Alexander J. Fludder, pipe and cement	19 11
142	John M. Friend, brick	11 50

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143	J. K. Sullivan, gravel	$2 18
144	S. W. Coggeshall, pails	2 00
	Pay Rolls	5091 21
		$29360 58

August

145	S. T. H. Ailman, office supplies	$5 40
146	C. A. Hilcken, mounting old map	3 50
147	H. L. Marsh Company, bag	25
148	Neffer & Hattub, refuse disposal, contract	799 59
149	S. W. Coggeshall, wire	12
150	J. K. Sullivan, gravel	08
151	D. J. Sullivan, tool repairs	15
152	Jas. S. Ramlose, rubber boots	9 00
153	J. K. Sullivan, gravel	08
154	M. F. Shea, repair grating	1 00
155	D. J. Sullivan, repair grating	1 00
156	The Bay State Street Railway Co., electricity	44 22
157	James F. Marden Company, broom	65
158	D. J. Sullivan, tool repairs	90
159	Alexander J. Fludder, pipe	23 79
160	J. K. Sullivan, gravel	84
161	D. J. Sullivan, tool repairs	3 15
162	Alexander J. Fludder, pipe	43 65
163	John M. Friend, pipe	1 17
164	Alexander J. Fludder, pipe	8 04
165	D. J. Sullivan, tool repairs	2 70
166	John M. Friend, pipe	379 72
167	Alexander J. Fludder, pipe	298 12
168	J. K. Sullivan, gravel	3 60
169	D. J. Sullivan & Company, weighing gravel	10
170	A. & H. G. Hammett, lumber	2 60
171	George G. Popple, rubber boots	11 25
172	Jas. F. Marden Company, lanterns	27 00
173	Patrick Howard, kerosene	5 00
174	D. J. Sullivan, tool repairs	2 40
175	S. W. Coggeshall, lanterns	13 00
176	Alexander J. Fludder, pipe	4 55
177	A.& H. G. Hammett, brick	16 50
178	J. K. Sullivan, Gravel	1 09
179	J. T. O'Connell, rope, etc	65
180	Charles S. Goddard, tool repairs	30
	Pay Rolls	4998 83
		$36074 57

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September

181	Wm. B. Scott & Company, brooms	$42 00
182	Harry L. DeBlois, street hoes	13 00
183	Neffer & Hattub, refuse disposal, contract	799 59
184	The Broadway Hardware Company, locks	3 00
185	J. K. Sullivan, gravel	11
186	Alexander J. Fludder, pipe	2 84
187	J. K. Sullivan, gravel	37
188	J. K. Sullivan, gravel	1 27
189	J. T. O'Connell, nails	64
190	The Bay State Street Railway Co., electricity	32 29
191	Alexander J. Fludder, pipe and cement	64 58
192	J. K. Sullivan, gravel	19
193	D. J. Sullivan, tool repairs	1 50
194	Charles S. Goddard, tool repairs	40
195	D. J. Sullivan, tool repairs	15 75
196	John M. Friend, pipe and brick	294 80
197	Alexander J. Fludder, pipe and cement	193 12
198	J. K. Sullivan, gravel	11 18
199	Wm. B. Scott & Company, can	40
200	D. J. Sullivan, tool repairs	90
201	Alexander J. Fludder, pipe	53
202	John M. Friend, brick	10 00
203	J. K. Sullivan, gravel	3 49
204	Alexander J. Fludder, cement	4 41
205	D. J. Sullivan, tool repairs	90
	Pay Rolls	5289 88
		$42861 71

October

206	Highways and Bridges, postage	$2 00
207	Wm. B. Scott & Company, brooms	42 00
208	S. W. Coggeshall, scoop	1 50
209	M. F. Shea, cart repairs	8 00
210	Neffer & Hattub, refuse disposal, contract	799 59
211	Phineas C. Clark, cart repairs	50
212	Alexander J. Fludder, pipe	76
213	The Bay State Street Railway Co., electricity	41 71
214	W. H. Tibbetts, wire	25
215	D. J. Sullivan, tool repairs	1 20
216	Alexander J. Fludder, pipe and cement	32 77
217	John M. Friend, brick	20 00
218	J. K. Sullivan, gravel	5 92
219	D. J. Sullivan, tool repairs	1 25
220	Alexander J. Fludder, pipe and cement	36 53

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221	John M. Friend, pipe and brick	$18 88
222	J. K. Sullivan, gravel	4 82
223	D. J. Sullivan & Company, weighing gravel	40
224	Fuller Iron Works, manhole covers and rims	54 00
225	Highways and Bridges, freight	2 15
226	The Broadway Hardware Company, wire screen	63
	Pay Rolls	3910 77
		$47847 34

November

227	Wm. B. Scott & Company, brooms	$35 00
228	Charles S. Goddard, cart repairs	2 00
229	S. W. Coggeshall, scoops	2 80
230	Neffer & Hattub, refuse disposal, contract	799 59
231	J. T. O'Connell, rope, etc.	28 69
232	J. K. Sullivan, gravel	19
233	Charles S. Goddard, repair pail	75
234	J. T. O'Connell, rope	53
235	Wm. B. Scott & Company, post hole spoon	1 85
236	J. K. Sullivan, towing scow	46 00
237	Pinniger & Manchester, use of lighter and fuel	33 63
238	James P. Taylor, oil suits	16 00
239	James S. Ramlose, rubber boots	19 50
240	Robert S. Gash	19 50
241	T. Mumford Seabury Company, rubber boots	17 50
242	George G. Popple, rubber boots	18 00
243	Jas. F. Marden Company, lantern globes	60
244	J. T. O'Connell, rope, etc.	3 15
245	J. D. Johnston, lumber	8 50
246	A. & H. G. Hammett, lumber	5 81
247	J. K. Sullivan, gravel	11
248	The Bay State Street Railway Co., Electricity	59 40
249	Lynch Brothers, repairing sewerage pump	5 60
250	Charles S. Goddard, tool repairs	80
251	Alexander J. Flodder, pipe	50 77
252	J. K. Sullivan, gravel	82
253	Alexander J. Flodder, pipe	2 30
254	J. K. Sullivan, gravel	19
255	Charles S. Goddard, tool repairs	62
256	John M. Friend, pipe	20 60
257	J. K. Sullivan, gravel	37
258	D. J. Sullivan, tool repairs	6 90
259	J. K. Sullivan, gravel	10 41
260	D. J. Sullivan & Company, weighing gravel	60
261	Alexander J. Flodder, pipe and cement	40 96

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262	John M. Friend, brick and pipe	$69 36
	Pay Rolls	3058 39
		$52235 03

December

263	Remington Ward, blank book	$15 00
264	George H. Carr, day books	5 00
265	Simon Hart, office supplies	2 05
266	S. W. Coggeshall, scoop	1 30
267	Neffer and Hattub, refuse disposal, contract	1189 60
268	S. W. Coggeshall, fork	75
269	Charles S. Goddard, tool repairs	20
270	J. K. Sullivan; gravel	26
271	Alexander J. Fludder, cement	1 57
272	J. K. Sullivan, gravel	15
273	John M. Friend, pipe	6 63
274	Alexander J. Fludder, cement	1 57
275	J. K. Sullivan, gravel	1 67
276	John M. Friend, cement	12 96
277	Alexander J. Fludder, cement	14 13
278	Lynch Brothers, pipe and fittings	63
279	S. W. Coggeshall, nails etc.	2 42
280	A. and H. G. Hammett, lumber	1 82
281	J. D. Johnston, lumber, etc.	10 15
282	M. F. Shea, pipe	1 00
283	Scannevin and Potter, inspection and report on sewerage pumping plant outfit	10 00
284	Bay State Street Railway Company, electricity	56 47
	Pay Rolls	1964 18
	½ of Street Commissioners Salary (Assumed)	750 00
		$56284 54

PUBLIC HIGHWAYS AND BRIDGES

January

1	C. A. Hilcken, binding annual reports	$1 00
2	Highways and Bridges, postage	2 00
3	George H. Carr, office supplies	46
4	Simon Hart, office supplies	2 48
5	Birmingham Pen Company, pens	1 25
6	Remington Ward, paper	1 00
7	Municipal Journal, subscription	3 00
8	Charles S. Goddard, tool repairs	51
9	J. Stacy Brown, stone	4 60
10	J. K. Sullivan, gravel	18

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11	S. W. Coggeshall, spikes and nails	$4 73
12	W. L. Nordling, kerosene	5 00
13	N. Y., N. H. & H. R. R. Co., cinders	2 50
14	John M. Friend, cement	8 52
15	Newport Water Works, pipe	52
16	J. K. Sullivan, gravel	3 06
17	D. J. Sullivan & Company, fuel	7 00
18	The Peckham Company, princess metallic	75
19	Ralph R. Barker, paint	27 35
20	J. D. Johnston, lumber	50
21	Charles S. Goddard, cart repairs	14 85
22	Congdon & Carpenter Company, seat springs	12 00
23	M. F. Shea, cart repairs	12 80
24	Harold L. Bond Company, bolts	9 56
25	Wm. B. Scott & Company, tools	1 75
26	Highways and Bridges, freight and express	55
27	N. Y., N. H. & H. R. R. Co., freight	25
	Pay Rolls	504 82
		$632 99

February

28	William Williams, agent, Street Com'r., bond	$12 50
29	W. E. Stanhope, taxi service	10 00
30	Harry H. Johnson, typewriter supplies	12 60
31	J. Stacy Brown, stone	2 09
32	J. K. Sullivan, gravel	75
33	J. D. Johnston, lumber	3 01
34	John M. Friend, cement	4 80
35	A. & H. G. Hammett, lumber	1 02
36	J. D. Johnston, lumber	14 58
37	A. & H. G. Hammett, lumber	16 16
38	S. W. Coggeshall, screws	60
39	J. K. Sullivan, gravel	8 48
40	Pinniger & Manchester Co., fuel	7 25
41	A. & H. G. Hammett, lumber	1 60
42	J. D. Johnston, lumber	1 00
43	Ralph R. Barker, turpentine	1 50
44	M. F. Shea, cart repairs	46 50
45	Phineas C. Clark, cart repairs	24 32
46	Charles S. Goddard, cart repairs	2 70
47	Wm. B. Scott & Company, putty screen, etc	2 65
48	Studebaker Bros. Co., of N. Y., springs, etc	27 60
49	Highways and Bridges, express	60
	Pay Rolls	543 46
		$1378 76

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March

50	Remington Ward, printing	$5 00
51	Providence Telephone Company, telephone service	42 25
52	Simon Hart, rubber bands	95
53	S. T. H. Ailman, office supplies	2 90
54	Highways and Bridges, postage and telegram	2 50
55	J. Stacy Brown, stone	54
56	J. K. Sullivan, gravel	1 16
57	N. Y., N. H. & H. R. R. Co., cinders	8 50
58	Alexander J. Fludder, cement	1 57
59	J. D. Johnston, lumber	3 46
60	The Peckham Company, shovels	16 00
61	The Broadway Hardware Store, shovels	41 00
62	D. E. Sullivan, pails and dippers	2 40
63	M. F. Shea. iron, etc	1 00
64	Philip F. Conroy, couplings	52
65	Charles S. Goddard, forging and fitting crank handle	1 25
66	S. W. Coggeshall, roofing, etc	5 55
67	J. F. Sullivan, pair gray horses and exchange	550 00
68	Pinniger & Manchester Co., fuel	7 25
69	Dudley P. Bacheller, cart repairs	54 37
70	M. F. Shea, cart repairs	43 25
71	Wm. B. Scott & Company, leather, etc	1 24
72	Charles S. Goddard, tool repairs	80
	Pay Rolls	358 23
		$2530 45

April

73	Mercury Publishing Company, printing annual reports	$150 00
74	Remington Ward, printing	7 50
75	Ward Printing Company, printing	20 50
76	The Register & Guide, subscription	2 00
77	Highways & Bridges, postage, mailing reports	6 00
78	John F. Sullivan, stone	852 63
79	Joseph P. Cotton, stone	13 66
80	J. Stacy Brown, stone	7 45
81	J. K. Sullivan, gravel	83 65
82	The Peckham Company, shovels	8 00
83	Wm. B. Scott & Company, oil cans, etc	1 65
84	The Broadway Hardware Company, shovel	1 35
85	S. W. Coggeshall, shovel, etc	2 70
86	P. J. Burns, kerosene	5 00
87	N. Y., N. H. & H. R. R. Co., cinders	2 50
88	Charles S. Goddard, tool repairs	1 75
89	D. J. Sullivan, tool repairs	40

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90	Newport Water Works, pipe, etc.	$2 89
91	S. W. Coggeshall, screws	22
92	Barker Bros. & Company, seat, etc.	2 65
93	Charles S. Goddard, iron	1 40
94	Buffalo Steam Roller Company, 5 ton Tandem Roller	2075 00
95	American Asphaltum & Rubber Co., asphalt	1303 28
97	N. E. Navigation Co., freight	81
98	American Asphaltum & Rubber Co., heater kettle	325 00
99	N. Y., N. H. & H. R. R. Co., freight	27 00
100	American Asphaltum & Rubber Co., heater kettle	325 00
102	Ralph R. Barker, paint	3 50
103	J. T. O'Connell, bronzite, etc.	1 85
104	M. F. Shea, cart repairs	12 50
105	Oliver R. Braman, hose	2 25
106	Walworth Manufacturing Co., cart repairs	3 47
107	N. Y., N. H. & H. R. R. Co., freight	25
108	Frank E. Fitts Mfg. & Supply Co., packing	13 16
109	Highways & Bridges, express	35
110	S. W. Coggeshall, lead, etc.	92
	Pay Rolls	2308 95
		$10107 64

May

111	Highways & Bridges, telegram	$0 62
112	George H. Carr, office supplies	99
113	Ward Printing Company, printing	2 05
114	Harry H. Johnson, eraser	50
115	Preston & Rounds Company, ink wells	3 50
116	Barker Bros. & Company, repair gas tube	25
117	John F. Sullivan, stone	633 00
118	J. Stacy Brown, stone	31
119	J. K. Sullivan, gravel	101 97
120	Thos. Sharpe, lanterns	18 00
121	The Broadway Hardware Co., shovel, etc.	1 55
122	J. D. Johnston, pounders, etc.	8 85
123	John M. Friend. cement	1 62
124	Charles S. Goddard, tool repairs	2 85
125	C. F. D. Fayerweather, tool repairs	50
126	D. J. Sullivan, tool repairs	2 15
127	Lynch Brothers, cart repairs	1 49
128	John F. Sullivan, stone	1586 88
129	Pinniger & Manchester Co., fuel	34 12
130	Patrick Howard, kerosene	5 00
131	J. D. Johnston, lumber	4 22
132	Barker Bros. & Company, pipe	1 10
133	S. W. Coggeshall, shovels	7 00

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134	Wm. K. Covell, tar bucket	$1 75
135	Phineas C. Clark, dipper handle	50
136	The Broadway Hardware Co., wire	50
137	Downing Brothers, carron oil	50
138	D. J. Sullivan, tool repairs	2 25
139	N. Y., N. H. & H. R. R. Co., freight	27 00
140	The Broadway Hardware Co., plow point	50
141	The Dustoline for Roads Co., dustoline	1107 98
142	Robert L. Oman, pipe	1 10
143	J. D. Johnston, lumber	2 08
144	Pinniger & Manchester Co., fuel	15 72
145	Robert S. Gash, rubber boots	13 00
146	R. G. Biesel, hose	1 75
147	J. T. O'Connell, linseed oil, etc	1 10
148	Philip F. Conroy, pipe	62 30
149	Lynch Brothers, pipe	30
150	Chas. J. Beattie, contract retubing boiler	50 00
151	J. R. Chase, motorcycle repairs	17 10
152	M. F. Shea, cart repairs	3 75
153	Charles S. Goddard, cart repairs	2 75
154	D. J. Sullivan, cart repairs	75
	Pay Rolls	4339 88
		$18178 72

June

155	Providence Telephone Company, service and toll calls	$20 87
156	George H. Carr, office supplies	2 32
157	Highways & Bridges, telegrams and postage	4 36
158	Barker Bros. & Company, gas tube, etc.	1 17
159	John F. Sullivan, stone	569 88
160	John F. Sullivan, stone	295 75
161	J. Stacy Brown, stone	50
162	J. K. Sullivan, gravel	79 89
163	D J. Sullivan & Company, weighing gravel	30
164	Alexander J. Fludder, cement	22 78
165	The Broadway Hardware Company, iron wheelbarrows	15 00
166	S. W. Coggeshall, shovels, etc	15 50
167	D. E. Sullivan, pails and dippers	2 40
168	Wm. B. Scott & Company, netting	2 16
169	Newport Paper & Grocery Company, oatmeal	4 00
170	Charles S. Goddard, tool repairs	4 70
171	D. J. Sullivan, tool repairs	3 60
172	Hudson River Blue Stone Co., crossing stone	1894 75
173	Boat, "Thomas J. Horan," freight on stone	241 25
174	Pinniger & Manchester Co., fuel	24 38

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175	John F. Sullivan, stone	$235 86
176	John F. Sullivan, stone	473 28
177	John F. Sullivan, stone	941 88
178	Patrick Howard, kerosene	5 00
179	John F. Sullivan, crushed stone	11 34
180	J. K. Sullivan, gravel	11 68
181	John M. Friend, cement	30 78
182	Wm. B. Scott & Company, shovels	2 25
183	The Broadway Hardware Co., lampblack	84
184	John F. Sullivan, crushed stone	11 34
185	J. K. Sullivan, gravel	8 81
186	D. J. Sullivan & Co., weighing gravel	40
187	Alexander J. Fludder, cement	36 75
188	A. & H. G. Hammett, lumber, etc	9 35
189	Newport Gas Light Co., cinders	16 50
190	Wm. B. Scott & Co., shovels	2 25
191	Charles S. Goddard, tool repairs	1 44
192	J. K. Sullivan, gravel	62 98
193	John F. Sullivan, crushed stone	15 12
194	Alexander J. Fludder, cement	30 13
195	N. Y., N. H. & H. R. R. Co., cinders	5 00
196	Wm. B. Scott & Co., lampblack	1 60
197	Pinniger & Manchester Co., fuel	27 84
198	Robert L. Oman, solder and labor	1 15
199	The Dustoline for Roads Co., dustoline	2049 69
	Pay Rolls	4053 09
		$29430 63

July

200	Providence Telephone Co., service and toll calls	$12 33
201	Postal Telegraph-Cable Co., telegram	59
202	Sampson & Murdock Co., directory	2 00
203	The Birmingham Pen Co., rubber penholders	1 30
204	Blaisdell Paper Pencil Co., pencils	1 32
205	John F. Sullivan, crushed stone	1062 18
206	John F. Sullivan, crushed stone	1148 40
207	John F. Sullivan, crushed stone	533 72
208	J. K. Sullivan, gravel	91 45
209	D. J. Sullivan & Co., weighing gravel	60
210	Alexander J. Fludder, cement	127 18
211	Pinniger and Manchester Co., fuel	46 32
212	P. J. Burns, Kerosene	5 50
213	Patrick Howard, Kerosene	6 00
214	M. F. Shea, iron for curb	2 00
215	J. T. O'Connell, rope, etc	1 13
216	The Broadway Hardware Co., lampblack, etc	2 14

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217	Wm. B. Scott & Company, lampblack, etc	$1 60
218	S. W. Coggeshall, shovels	14 00
219	Harold L. Bond Co., tools	4 84
220	Highways and Bridges, express	45
221	Daniel J. Sullivan, tool repairs	1 10
222	Charles S. Goddard, tool repairs	1 08
223	Lynch Brothers, labor on gear	66
224	D. J. Sullivan, tool repairs	7 85
225	Newport Paper and Grocery Co., oatmeal	4 10
226	John F. Sullivan, crushed stone	315 90
227	Pinniger and Manchester Co., fuel	9 75
228	Newport Gas Light Co., cinders	75
229	John F. Sullivan, crushed stone	7 56
230	Alexander J. Fludder, cement	26 69
231	J. K. Sullivan, gravel	6 08
232	N. Y., N. H. & H. R. R. Co., cinders	2 00
233	The Broadway Hardware Co., lampblack	1 20
234	D. J. Sullivan, tool repairs	50
235	John F. Sullivan, crushed stone	41 58
236	John F. Sullivan, crushed stone	117 18
237	D. J. Sullivan, tool repairs	85
238	J. K. Sullivan, gravel	83 03
239	John F. Sullivan, crushed stone	79 38
240	J. T. O'Connell, spikes	10
241	Pinniger and Manchester Co., fuel	7 25
242	J. R. Chase, Motor Cycle Repairs	26 65
243	Newport Water Works, moving standpipe	32 99
244	Lynch Brothers, discs. and labor	35
245	Charles S. Goddard, cart repairs	65
246	The Dustoline for Roads Co., dustoline,	678 56
247	Robert L. Oman, pump repairs	3 82
248	J. T. O'Connell, pump repairs	30
249	M. F. Shea, cart repairs	4 10
	Pay Rolls	5934 91
		$39892 60

August

250	Postal Telegraph-Cable Co., telegram	$ 77
251	Ward Printing Co., printing	8 50
252	Simon Hart, office supplies	1 55
253	Kee Lox Manufacturing Co., typewriter ribbons	4 50
254	John F. Sullivan, crushed stone	1167 43
255	John F. Sullivan, crushed stone	913 41
256	J. Stacy Brown, crushed stone	1 67
257	J. K. Sullivan, gravel	80 29

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258	D. J. Sullivan & Co., weighing gravel	$ 30
259	Pinniger and Manchester Co., fuel	32 69
260	Wm. B. Scott & Co., brooms, etc	1 90
261	S. W. Coggeshall, metallic tape, etc	1 35
262	Newport Paper & Grocery Co., oatmeal	4 00
263	C. F. D. Fayerweather, tool repairs	6 05
264	M. F. Shea, tool repairs	75
265	Charles S. Goddard, tool repairs	1 26
266	D. J. Sullivan, tool repairs	5 45
267	Jas. H. Donovan, tool repairs	75
268	S. W. Coggeshall, screws	80
269	J. D. Johnston, lumber	2 21
270	S. W. Coggeshall, tools	5 40
271	John F. Sullivan, cr. stone	11 34
272	Pinniger & Manchester Co., fuel	15 37
273	Charles S. Goddard, cart repairs	2 50
274	Lynch Brothers, strainer for injector	60
275	M. F. Shea, tank band	11 75
276	Robert L. Oman, pump repairs	3 10
277	J. T. O'Connell, marine	25
278	Walter B. Bryer, bridge repairs	187 00
	Pay Rolls	3,787 71
		$46,157 08

September

279	George H. Carr, pads	$0 18
280	City Treasurer, stamped envelopes	11 00
281	John F. Sullivan, crushed stone	228 96
282	John F. Sullivan, crushed stone	453 48
283	John F. Sullivan, crushed stone	272 86
284	J. Stacy Brown, stone	36
285	Pinniger & Manchester Co., fuel	4 88
286	J. K. Sullivan, gravel	35 00
287	J. D. Johnston, lumber	22 00
288	S. W. Coggeshall, nails	48
289	Patrick J. Burns, kerosene	5 00
290	The Broadway Hardware Co., sledge handles, etc.	1 62
291	M. F. Shea, tool repairs	80
292	Jacob Mohr, tool repairs	5 55
293	Charles S. Goddard, tool repairs	30
294	D. J. Sullivan, tool repairs	1 35
295	J. D. Johnston, sash	2 75
296	Karl S. Barker, glass and paint	3 93
297	John F. Sullivan, crushed stone	444 96
298	John F. Sullivan, crushed stone	297 32
299	Pinniger & Manchester Co., fuel	12 19

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300	Patrick J. Burns, kerosene	$6 90
301	D. J. Sullivan, tool repairs	3 05
302	John F. Sullivan, crushed stone	57 42
303	John F. Sullivan, crushed stone	166 80
304	John F. Sullivan, crushed stone	127 62
305	John F. Sullivan, crushed stone	41 58
306	D. J. Sullivan, tool repairs	75
307	Pinniger & Manchester Co., fuel	7 25
308	Charles S. Goddard, tool repairs	1 25
309	M. F. Shea, tank repairs	3 00
310	J. R. Chase, motor cycle repairs	3 40
311	John F. Sullivan, crushed stone	30 24
312	John F. Sullivan, crushed stone	22 68
313	J. D. Johnston, lumber	33 64
314	Alexander J. Fludder, cement	69 59
315	J. K. Sullivan, gravel	47 59
316	S. W. Coggeshall, pails	4 00
317	J. T. O'Connell, twine	20
	Pay Rolls	4148 38
		$52738 68

October

318	Providence Telephone Co., telephone service	$40 33
319	Simon Hart, office supplies	6 00
320	John F. Sullivan, crushed stone	161 05
321	John F. Sullivan, crushed stone	112 42
322	John F. Sullivan, crushed stone	23 65
323	J. K. Sullivan, gravel	16 28
324	The Peckham Company, brooms	1 20
325	Pinniger & Manchester Co., fuel	4 87
326	S. W. Coggeshall, scoop	1 30
327	N. Y., N. H. & H. R. R. Co., cinders	14 50
328	D. J. Sullivan, tool repairs	5 00
329	M. F. Shea, tool repairs	1 50
330	Charles S. Goddard, tool repairs	1 58
331	J. D. Johnston, lumber	2 03
332	J. T. O'Connell, bronzite, etc	2 18
333	Charles S. Goddard, tool repairs	60
334	John F. Sullivan, crushed stone	7 65
335	John F. Sullivan, crushed stone	7 65
336	J. Stacy Brown, stone	74
337	Pinniger & Manchester Co., fuel	4 88
338	John F. Sullivan, crushed stone	189 06
339	Pinniger & Manchester Co., fuel	4 88
340	Thomas Preece, repairing house damaged by roller	75 00

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341	Robert A. Smith, repairing house damaged by roller	$35 96
342	John M. Friend, brick, lime, etc	11 40
343	Alexander J. Fludder, cement	5 88
344	J. K. Sullivan, gravel	3 79
345	John F. Sullivan, crushed stone	61 38
346	D. J. Sullivan, tool repairs	75
347	Alexander J. Fludder, cement	50 72
348	J. R. Chase, motor cycle repairs	85
349	J. T. O'Connell, waste	12 30
350	Ralph R. Barker, paint and brushes	4 95
351	Phineas C. Clark, tool repairs	2 30
352	John F. Sullivan, crushed stone	51 78
353	John F. Sullivan, crushed stone	26 22
354	John F. Sullivan, crushed stone	3 00
355	Alexander J. Fludder, cement	69 86
356	J. K. Sullivan, gravel	30 24
357	Max David, re-enforcing iron	39 40
358	J. D. Johnston, lumber	1 80
359	Wm. B. Scott & Co., oil can	40
360	T. T. Pitman Corp., advertising services	9 00
361	Herald Publishing Co., advertising services	7 88
	Pay Rolls	2276 12
		$56129 01

November

362	Ward Printing Co., paper, etc	$9 25
363	Simon Hart, office supplies	90
364	George H. Carr, scratch pads	1 50
365	Frank O. Connell, germ proof mouth piece, telephone	50
366	I. W. Smith, sanitary moistener	75
367	C. E. Clarke, hammer handle	25
368	John F. Sullivan, crushed stone	49 50
369	J. K. Sullivan, gravel	1 54
370	Newport Gas Light Co., cinders	7 50
371	N. Y., N. H. & H. R. R. Co., cinders	2 00
372	Charles S. Goddard, repair hinges and straps	75
373	J. D. Johnston, lumber	32 33
374	S. W. Coggeshall, nails and spikes	1 53
375	J. T. O'Connell, bronzite, etc	1 90
376	Wm. B. Scott & Company, water table	40
377	Charles S. Goddard, tool repairs	2 00
378	D. J. Sullivan, tool repairs	45
379	The Peckham Co., wire	30
380	John F. Sullivan, crushed stone	20 10
381	J. Stacy Brown, stone	4 50

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382	Pinniger & Manchester Co., fuel	$14 64
383	S. W. Coggeshall, scoop	1 35
384	D. J. Sullivan, tool repairs	15
385	John F. Sullivan, crushed stone	46 96
386	Alexander J. Fludder, cement	18 84
387	Newport Gas Light Co., cinders	27 00
388	S. W. Coggeshall, lampblack	5 20
389	J. D. Johnston, tool repairs	25
390	J. K. Sullivan, gravel	21 47
391	D. J. Sullivan & Company, weighing gravel	80
392	J. K. Sullivan, gravel	1 31
393	J. R. Chase, motor cycle repairs	6 75
394	J. T. O'Connell, paint	4 00
395	The Broadway Hardware Company, new tools	65
396	Charles S. Goddard, tool repairs	35
397	J. T. O'Connell, paint, etc	2 75
398	Wm. B. Scott & Company, brushes	70
399	Thomas F. Keeher, carpenter bill	96 91
400	Wm. A. Sherman, M. D., medical services	25 00
401	Alexander J. Fludder, cement	7 85
402	J. K. Sullivan, gravel	4 11
	Pay Rolls	1507 10
		$58061 10

December

403	Providence Telephone Company, telephone service	$20 17
404	Remington Ward, blank book	15 00
405	Saml. T. H. Ailman, envelopes, etc	1 05
406	Kee Lox Mfg Company, carbon paper	3 50
407	John F. Sullivan, crushed stone	81 70
408	Wm. A. Sherman, M. D., medical services	2 00
409	Newport Gas Light Company, cinders	1 50
410	J. K. Sullivan, gravel	19
411	J. H. Donovan, filing saws	1 00
412	J. D. Johnston, lumber	9 84
413	S. W. Coggeshall, nails, etc	1 15
414	Wm. B. Scott & Company, screws	40
415	Charles S. Goddard, repair hinges	75
416	Ralph R. Barker, wall paper, papering, etc	27 03
417	J. K. Sullivan, gravel	19
418	S. B. Gladding, gasoline	17 10
419	Ralph R. Barker, paint, etc	39 80
420	The Peckham Company, paint	30
421	J. T. O'Connell, sponge	60
422	S. W. Coggeshall, galv. can	1 25
423	M. F. Shea, cart repairs	25

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424	J. R. Chase, motorcycle repairs	$3 35
425	A. & H. G. Hammett, lumber	32
426	Barker Bros. & Company, pipe	1 38
427	Alexander J. Fludder, cement	1 57
	Pay Rolls	723 49
	½ of Street Commissioner's salary (assumed)	750 00
		$59765 98

PUBLIC RECREATIONS

May

6	J. T. O'Connell, new tool	$0 10
7	Newport Ship Yard, lumber	3 30
8	Wm. B. Scott & Company, spikes	35
	Pay Rolls	55 10
		$58 85

June

9	J. Stacy Brown, crushed stone	$0 24
10	J. K. Sullivan, gravel	2 36
11	Alexander J. Fludder, cement	1 84
12	A. & H. G. Hammett, lumber	4 90
13	M. F. Shea, rods, plates and tool repairs	8 47
	Pay Rolls	113 34
		$190 00

July

16	Newport Gas Light Company, iron pipe	$21 00
17	A. & H. G. Hammett, lumber and spikes	11 03
18	John M. Friend, cement	1 62
19	Wm. B. Scott & Company, spikes	25
	Pay Rolls	103 17
		$327 07

August

25	J. D. Johnston, lumber	$0 74
26	J. T. O'Connell, spikes	44
27	Wm. F. Tripp, broom	50
28	Newport Ship Yard, contract	112 00
	Pay Rolls	54 63
		$496 38

September

31	J. K. Sullivan, gravel	$1 76
	Pay Rolls	99 69
		$596 83

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October

35	J. T. O'Connell, new tools	$1 05
36	J. T. O'Connell, spikes	15
37	S. W. Coggeshall, nails	20
	Pay Rolls	79 19
		$677 42

November

	Pay Rolls	$48 00
		$725 42

PUBLIC RECREATIONS

MISCELLANEOUS

January

1	James H. Donovan, filing saws	$3 75
	Pay Rolls	45 95
		$49 70

February

2	Philip F. Conroy, lantern globes	$9 00
3	Lynch Brothers, dowels	20
	Pay rolls	1 29
		$60 19

March

4	Charles S. Goddard, eyebolt and ring	$0 50
	Pay Rolls	48 72
		$109 41

April

5	James H. Donovan, filing saws	$2 00
	Pay Rolls	12 29
		$123 70

May

	Pay Rolls	$5 50
		$129 20

June

14	John H. Marks, fountain repairs	$11 15
15	Stephen L. Goddard, fountain repairs	12 45
		$152 80

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July

20	S. W. Coggeshall, new tools	$0 50
21	Sullivan Brothers, fountain repairs	2 00
22	Stephen L. Goddard, fountain repairs	1 00
23	James H. Donovan, filing saws	50
24	Frank P. Sherman, gasoline and oil	5 25
	Pay Rolls	128 63
		$290 68

August

29	Stephen L. Goddard, fountain repairs	$3 00
30	James H. Donovan, filing saws	1 00
	Pay Rolls	26 79
		$321 47

September

32	N. Y., N. H. & H. R. R. Co., freight on fountain	$0 96
33	Downing Brothers, sulphur	50
34	S. W. Coggeshall, axe handle	20
	Pay Rolls	5 50
		$328 63

October

38	James H. Donovan, filing saws	$1 50
	Pay Rolls	14 13
		$344 26

November

39	James S. Ramlose, rep. rubber boots	$1 00
40	Newport Ship Yard, filing saw	1 00
41	James H. Donovan, filing saws	2 75
	Pay Rolls	85 13
		$434 14

PUBLIC DOCKS AND WHARVES

January

1	D. J. Sullivan & Company, fuel	$14 00
2	J. T. O'Connell, rope, etc	3 80
	Pay Rolls	58 25
		$76 05

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February

3	Pinniger & Manchester Co., fuel	$7 25
4	Newport Paper & Grocery Co., supplies	84
5	Walsh Brothers, stove grate	2 85
	Pay Rolls	54 00
		$140 99

March

6	Pinniger & Manchester Co., fuel	$14 50
	Pay Rolls	60 75
		$216 24

April

7	Pinniger & Manchester Co., fuel	$14 50
8	Downing Brothers, carbolic acid	1 25
9	George H. Carr, ink	75
10	Newport Paper & Grocery Co., supplies	84
11	J. T. O'Connell, paint	1 90
12	Ralph R. Barker, paint	5 25
13	J. T. O'Connell, turpentine	60
	Pay Rolls	84 00
		$325 33

May

14	Pinniger & Manchester Co., fuel	$7 25
15	Wm. B. Scott & Company, duster and broom	1 85
16	Phineas C. Clark, iron and labor	7 00
	Pay Rolls	58 12
		$399 55

June

	Pay Rolls	$54 00
		$453 55

July

17	Newport Paper & Grocery Co., supplies	$0 84
	Pay Rolls	67 50
		$521 89

August

18	J. T. O'Connell, pump repairs	$0 20
	Pay Rolls	59 50
		$581 59

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September

19	Newport & Paper Grocery Co., supplies	$80 84
	Pay Rolls	67 50
		$649 93

October

	Pay Rolls	$54 00
		$703 93

November

20	Pinniger & Manchester Co., fuel	$7 25
	Pay Rolls	63 50
		$774 68

December

21	Pinniger & Manchester Co., fuel	$14 50
22	Newport & Paper Grocery Co., supplies	84
	Pay Rolls	60 75
		$850 77

NON-APPORTIONED

January

Stable:

1	H. L. Marsh & Co., forage	$183 77
2	The Texas Co., gasoline	5 90
3	George Stanhope, soap	4 15
4	Wm. B. Scott & Co., axle grease, etc	2 75
5	Dudley P. Bacheller, shaft shackle	75
6	Henry H. Lawton, supplies and repairs	25 15
7	Wm. A. Stoddard, vet. services and medicine	15 00
8	Daniel J. Sullivan, shoeing	4 25
9	P. M. Shea, shoeing	8 44
10	Shreenan & Sullivan, shoeing	4 50
11	Daniel Beard, shoeing	5 13
12	Peter F. Clark & Co., shoeing	5 63
13	Charles S. Goddard, repairing chain creepers	25
	Pay Rolls	81 58

Rollers:

14	Buffalo Steam Roller Co., repairs	$19 35
15	J. T. O'Connell, waste	11 22
16	S. W. Coggeshall, lye	2 00
17	Frank E. Fitts Mfg. & Supply Co., packing	11 30
18	Highways & Bridges, express	75
	Pay Rolls	139 50
		$531 37

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February

Stable:

19	H. L. Marsh & Co., forage	$193 88
20	J. G. Stevens, forage	48 41
21	The Texas Co., gasoline	2 38
22	Dudley P. Bacheller, buggy repairs	10 95
23	Wm. F. Gratrix, supplies and repairs	17 65
24	S. W. Coggeshall, hook	04
25	Daniel J. Sullivan, shoeing	1 82
26	P. M. Shea, shoeing	4 50
27	Peter F. Clark & Co., shoeing	5 25
28	Daniel Beard, shoeing	1 00
29	Shreenan & Sullivan, shoeing	4 50
30	Charles S. Goddard, rep. creepers	75
	Pay Rolls	108 31

Rollers:

31	S. W. Coggeshall, solarine, etc	1 40
32	Lynch Brothers, pipe, etc	5 53
33	Philip F. Conroy, pipe	32
34	Walworth Manufacturing Co., valves	6 88
35	Buffalo Steam Roller Co., repairs	31 60
36	N. Y., N. H. & H. R. R. Co., freight	25
37	Highways & Bridges, express	1 30
	Pay Rolls	240 75
		$1218 84

March

Stable:

38	Dennis Shanahan, forage	$49 13
39	The Texas Co., gasoline	2 55
40	Newport Gas Light Co., gas	2 20
41	James McBride, liniment	4 00
42	J. T. O'Connell, bronzite, etc	1 90
43	Ralph R. Barker, paint	7 45
44	J. D. Johnston, lumber	4 19
45	Charles S. Goddard, cart repairs	2 55
46	R. G. Biesel, supplies and repairs	5 15
47	J. R. Chase, motorcycle repairs	6 40
48	Peter F. Clark & Co., shoeing	9 07
49	P. M. Shea, shoeing	5 64
50	Daniel J. Sullivan, shoeing	1 13
51	Daniel Beard, shoeing	5 13
	Pay Rolls	240 61

Rollers:

52	J. T. O'Connell, repairs	11 68
53	Ralph R. Barker, paint	6 30

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54	Wm. B. Scott & Co., tacks	$ 50
55	Walworth Manufacturing Co., packing	4 35
56	Highways & Bridges, express	1 55
	Pay Rolls	243 00
Materials:		
57	Alexander J. Fludder, cement	3 14
		$1836 46

April

Stable:		
58	H. L. Marsh & Co., forage	$73 91
59	J. G. Stevens, forage	48 98
60	Ralph R. Barker, paint	2 00
61	J. D. Johnston, lumber	8 59
62	Wm. A. Stoddard, medicine	9 00
63	The Texas Co., gasoline	10 44
64	Oliver R. Braman, supplies and repairs	18 70
65	Wm. B. Scott & Co., measure	30
66	Phineas C. Clark, cart repairs	9 90
67	M. F. Shea, cart repairs	5 75
68	Dudley P. Bacheller, breech hook	25
69	Charles S. Goddard, cart repairs	1 50
70	J. R. Chase, auto repairs	76 86
71	J. K. Sullivan, painting auto	35 00
72	Daniel J. Sullivan, shoeing	9 00
73	Shreenan & Sullivan, shoeing	9 50
74	Peter F. Clark & Co., shoeing	4 50
75	P. M. Shea, shoeing	12 77
76	Daniel Beard, shoeing	8 26
	Pay Rolls	270 20
Rollers:		
77	Pinniger & Manchester Co., fuel	148 95
78	W. L. Nordling, oils	72 14
79	Patrick Howard, kerosene	4 50
80	The Peckham Co., hose	11 00
81	Wm. K. Covell, oil can, etc	1 40
82	Daniel E. Sullivan, pails and dippers	1 20
83	J. T. O'Connell, waste	13 20
84	H. L. Marsh & Co., bag	25
85	S. W. Coggeshall, solarine, etc	1 35
86	Buffalo Steam Roller Co., grease	7 50
87	The New England Steamship Co., steam cock	1 52
	Pay Rolls	36 00
Materials:		
88	Fuller Iron Works, manhole covers and rims	54 00
89	Highways and Bridges, freight	2 14

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90	John M. Friend, cement	$1 62
91	N. Y., N. H. & H. R. R. Co., freight	1 92
		$2810 56

May

Stable:

92	Dennis Shanahan, forage	$137 56
93	The Texas Co., gasoline	9 00
94	J. T. O'Connell, oil, etc	75
95	R. G. Biesel, supplies and repairs	10 85
96	J. R. Chase, auto and motor cycle repairs	57 45
97	Charles S. Goddard, cart repairs	3 50
98	The Broadway Hardware Co., roto salt	2 40
99	S. W. Coggeshall, solarine, etc	1 30
100	Wm. B. Scott & Company, grease	2 00
101	P. M. Shea, shoeing	13 02
102	Daniel J. Sullivan, shoeing	4 50
103	Shreenan & Sullivan, shoeing	4 75
104	Peter F. Clark & Co., shoeing	6 63
105	Daniel Beard, shoeing	5 13
106	D. J. Sullivan, resetting shoe	35
	Pay Rolls	65 13

Rollers:

107	Pinniger & Manchester Co., fuel	125 36
108	J. T. O'Connell, waste	13 00
109	P. J. Burns, kerosene	5 00
110	Walworth Manufacturing Co., valves	3 28
111	Highways and Bridges, express	30
112	Wm. K. Covell, coffee pot	25
113	The Broadway Hardware Co., shovel, etc	1 35
114	M. F. Shea, repairs	3 00
115	Charles S. Goddard, repair valve	1 00
116	Lynch Brothers, repairs	1 87

Materials:

117	The American Asphaltum & Rubber Co., asphalt	1298 88
		$4588 17

June

Stable:

118	H. L. Marsh & Co., forage	$29 85
119	Dennis Shanahan, forage	90 30
120	J. G. Stevens, forage	30 02
121	J. K. Sullivan, hay	217 47
122	The Texas Co., gasoline	8 64
123	Newport Gas Light Co., gas	22
124	Oliver R. Braman, supplies	16 90
125	J. R. Chase, auto repairs	10 75

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126	Daniel J. Sullivan, shoeing	$9 00
127	P. M. Shea, shoeing	13 03
128	Daniel Beard, shoeing	5 13
129	Peter F. Clark & Co., shoeing	7 00
130	Shreenan & Sullivan, shoeing	2 25
	Pay Rolls	93 21
Rollers:		
131	Pinniger and Manchester Co., fuel	123 31
132	W. L. Nordling, lard oil	50 93
133	P. J. Burns, kerosene	5 60
134	Wm. K. Covell, coffee pot	35
135	Walworth Manufacturing Co., sonderglass, etc	5 49
136	Buffalo Steam Roller Co., scraper brackets	5 00
137	Highways & Bridges, express	60
Materials:		
138	Hooper, Havey & Co., curb & culls	724 70
139	Schooner, "Charlie & Willie", freight on curb	314 04
140	John M. Friend, stone corners	12 38
141	The American Asphaltum and Rubber Co., asphalt	1953 82
		$8317 56

July

Stable:		
142	Dennis Shanahan, forage	$56 52
143	H. L. Marsh & Co., forage	59 27
144	The Texas Co., gasoline	18 18
145	R. G. Biesel, supplies and repairs	12 50
146	Charles S. Goddard, cart repairs	4 20
147	M. F. Shea, cart repairs	17 25
148	J. R. Chase, motor cycle repairs	13 50
149	G. A. Bryant, auto repairs	10 00
150	Daniel J. Sullivan, shoeing	9 00
151	Peter F. Clark & Co., shoeing	6 60
152	Daniel Beard, shoeing	5 13
153	Shreenan and Sullivan, shoeing	6 19
154	P. M. Shea, shoeing	16 77
	Pay Rolls	100 42
Rollers:		
155	Pinniger and Manchester Co., fuel	126 58
156	Patrick Howard, kerosene	5 00
157	J. T. O'Connell, waste, etc	12 45
158	Buffalo Steam Roller Co., crank pin oil cup	1 31
159	Lynch Brothers, repairs	1 12
160	M. F. Shea, repair clamp	1 00
161	Charles S. Goddard, repairs	2 25

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Materials :

162	The Monarch Paint Co., paint	$17 98
163	Alexander J. Fludder, cement	46 31
164	The American Asphaltum and Rubber Co., asphalt	1059 98
165	N. Y., N. H. & H. R. R. Co., freight	240 44
		$10164 51

August

Stable :

166	Dennis Shanahan, forage	59 71
167	The Texas Co., gasoline	9 00
168	Oliver R. Braman, supplies	16 45
169	Wm. K. Covell, watering pot	1 10
170	J. D. Johnston, lumber,	6 29
171	A. J. Picard & Co., Fire Stone Shoes, etc	59 50
172	S. W. Coggeshall, solarine	1 10
173	Highways & Bridges, express	55
174	P. M. Shea, shoeing	12 54
175	Peter F. Clark & Co., shoeing	7 00
176	Shreenan & Sullivan, shoeing	4 51
177	Daniel Beard, shoeing	5 13
178	Daniel J. Sullivan, shoeing	4 50
	Pay Rolls	65 25

Rollers:

179	Pinniger & Manchester Co., fuel	120 47
180	J. T. O'Connell, waste	11 70
181	P. J. Burns, kerosene	5 60
182	The Peckham Co., rubber hose	11 00
183	S. W. Coggeshall, axe	1 00
184	Buffalo Steam Roller Co., grease and bolts	8 48
185	Lynch Bros., tube cleaner	2 00
186	Highways & Bridges, express	1 00

Materials:

187	American Asphaltum & Rubber Co., asphalt	956 60
188	N. Y., N. H. & H. R. R. Co., freight	216 99
189	Alexander J. Fludder, pipe	41 71
190	Highways & Bridges, freight	2 12
		$11795 81

September

Stable:

191	H. L. Marsh & Co., forage	$64 06
192	The Texas Co., gasoline	7 56
193	R. G. Biesel, supplies and repairs	10 15
194	Wm. B. Scott & Co., axle grease	2 00
195	James McBride, medicine	12 00
196	J. R. Chase, motorcyle repairs	15 91

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197	J. T. O'Connell, rope	$ 16
198	Charles S. Goddard, cart repairs	75
199	Dudley P. Bacheller, buggy repairs	1 00
200	M. F. Shea, cart repairs	9 00
201	Daniel Beard, shoeing	10 26
202	Peter F. Clark & Co., shoeing	7 10
203	P. M. Shea, shoeing	13 88
204	Daniel J. Sullivan, shoeing	4 50
205	Shreenan & Sullivan, shoeing	6 38
	Pay Rolls	124 54
Rollers:		
206	Pinniger & Manchester Co., fuel	130 65
207	W. L. Nordling, oils	72 56
208	Patrick Howard, kerosene	5 50
209	Charles S. Goddard, repairing tube cleaner	35
Materials:		
210	Alexander J. Fludder, cement	7 35
211	Fuller Iron Works, manhole covers and rims	108 00
212	Highways & Bridges, freight	2 12
213	Alexander J. Fludder, pipe	33 50
		$12445 09

October

Stable:		
214	Dennis Shanahan, forage	$186 71
215	The Texas Co., gasoline	6 30
216	Oliver R. Braman, supplies and repairs	22 35
217	S. W. Coggeshall, solarine	1 82
218	M. F. Shea, cart repairs	10 75
219	J. D. Johnston, spruce flooring	2 79
220	J. T. O'Connell, rope	49
221	J. R. Chase, motorcycle repairs	1 85
222	Daniel J. Sullivan, shoeing	6 88
223	P. M. Shea, shoeing	14 76
224	Shreenan & Sullivan, shoeing	6 07
225	Peter F. Clark & Co., shoeing	1 75
226	Daniel Beard, shoeing	5 13
	Pay Rolls	92 04
Rollers:		
227	Pinniger & Manchester Co., fuel	56 57
228	Henry A. Davis & Sons, waste	14 20
229	Highways & Bridges, freight	25
	Pay Rolls	31 87
Materials:		
230	Alexander J. Fludder, cement	23 52
231	Patrick Howard, kerosene	5 50
232	Patrick J. Burns, kerosene	4 50
		$12941 19

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November

Stable:		
233	H. L. Marsh & Co., forage	$120 88
234	The Texas Co., gasoline	10 50
235	R. G. Biesel, supplies and repairs	3 90
236	George Stanhope, soap	4 15
237	Wm. B. Scott & Co., axle grease	2 00
238	Charles S. Goddard, cart repairs	75
239	J. R. Chase, motor cycle repairs	2 79
240	P. M. Shea, shoeing	4 25
241	Peter F. Clark & Company, shoeing	6 00
242	Daniel Beard, shoeing	5 13
243	Daniel J. Sullivan, shoeing	2 26
244	Shreenan & Sullivan, shoeing	3 63
	Pay Rolls	60 00
Rollers:		
245	Pinniger & Manchester Co., fuel	8 55
246	Lynch Brothers, nipples	50
Materials:		
247	Patrick Howard, kerosene	5 00
		$13181 48

December

Stable:		
248	Dennis Shanahan, forage	$148 40
249	Broadway Hardware Co., salt	2 00
250	The Texas Co., gasoline	6 46
251	Julius Burdick, gasoline	19 95
252	Dr. C. Horseman, vet. services	6 00
253	Newport Gas Light Co., gas	22
254	S. W. Coggeshall, manure fork	1 00
255	O. R. Braman, harness repairs	1 35
256	M. F. Shea, cart repairs	50
257	Peter F. Clark & Co., shoeing	1 75
258	Daniel J. Sullivan, shoeing	3 13
259	Shreenan & Sullivan, shoeing	88
260	P. M. Shea, shoeing	5 38
261	Daniel Beard, shoeing	5 13
	Pay Rolls	104 25
Rollers:		
262	Pinniger & Manchester Co., fuel	5 70
		$13493 58
	Total	$131559 18

Respectfully submitted,

J. K. SULLIVAN,

Street Commissioner.

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COMPANY

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JUN 1 1914

Annual Report of the Street and Highway Department

City of Newport, Rhode Island
Municipal Year of 1914

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ANNUAL REPORT

OF THE

Street Commissioner

Compliments of

William Hamilton,
Street Commissioner.

Francis M. Sisson, Clerk.

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Annual Report of Street Commissioner

December 31, 1914.

To the Honorable Representative Council of the City of Newport:

Gentlemen:—I respectfully submit the following report of the operations of the Department of Highways and Bridges for the municipal year of Nineteen Hundred and Fourteen.

STATISTICS

This office has carefully prepared and revised the following statistics from the records of the department, viz:

Streets

	Mileage
Granite Block Pavement	1.69
Bitulithic and Granite Block Pavement	1.56
Telford Macadam	13.89
Telford Macadam and Tarvia Macadam Top	.18
Telford Macadam with Asphalt Macadam Top	1.48
Macadam	40.86
Asphalt Macadam	4.06
Tarvia Macadam	.80
Tarvia	.21
Cobble	.51
Dirt	26.38
Total	91.62

Sidewalks

	Mileage
Granolithic	21.048
Granolithic and Dirt	1.378
Flagstone	2.598
Flagstone and Cobble	.145
Flagstone and Dirt	1.428
Brick	2.815
Asphalt	.603
Asphalt Block	.485
Plank	.313
Dirt	84.266
Total	115.079

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Gutters

	Mileage
Granite Culls	18.91
Cobbles	36.55
Flagstone and Cobbles	.92
Total	56.38

Curb

	Mileage
Bluestone	40.698
Granite	17.042
Granolithic	1.853
Total	59.593

Sewers

	Mileage
Vitrified Pipe	41.931
Cast Iron Pipe	.817
Circular Brick	4.727
Brick	1.449
Stone	.516
Tunnel	.388
Cement Pipe	.104
Total	49.932

City Wharf

Miscellaneous repairs that were necessary were made to the various buildings, located on City Wharf.

Appropriation, $500.00; Expenditure, $161.43; Balance, $338.57.

I respectfully call to the attention of your Honorable Body, the deplorable condition of the buildings used by this department; the Roller House, especially, is flooded at nearly every rain storm and it is no fit place for men to work.

As we are now living in the era of public improvement, I would recommend that these old buildings be torn down, removed, and that a substantial brick building be erected of sufficient capacity to accommodate the needs of the department.

Horses and Carts

One pair of horses was purchased from Mr. Elmer Sisson for the sum of $600.00.

One worn-out horse was sent to the Humane Society, Providence, R. I., for disposal. The only expense attached was the freight, amounting to $2.00.

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Another horse, which had passed his days of usefulness to the department, was given to Mr. Robert F. Stewart with the understanding that the horse would only be used for light work.

Appropriation, for horses, $750.00; Expenditure, $602.00; Balance, $148.00.

The carts and gears were repaired and painted by the permanent employees of the department, during the winter months.

Snow Removal

Snow falls were more numerous and heavier than for some years past. This, of course, increased the cost of cleaning and removal.

This class of work is an item of expense, which it is impossible to estimate. For illustration, this year the appropriation was raised twice to meet the requirements.

Appropriation, $4,500.00; Expenditure, $3,017.05; Balance, $1,482.95.

Snow Removal Expense for the Past Twelve Years for Comparison:

1903	$8049 17
1904	1860 55
1905	2752 04
1906	620 42
1907	4087 16
1908	1680 76
1909	804 54
1910	3336 95
1911	1871 61
1912	1466 11
1913	111 03
1914	3017 05
Total	$29684 39

Average cost per year for the past twelve years:—$2,473.70.

Removal of Snow, Year 1914

	Department				Hired		Total
	Teams		Carts		Teams		
1914	Loads	Cu. Yds.	Loads	Cu. Yds.	Loads	Cu. Yds.	Cu. Yds.
Feb. 17	32	96	78	117	192	576	789
" 18	52	156	72	108	336	1008	1272
" 19	16	48	7	10½	48	144	202½
" 20	12	36	40	60	358	1074	1170
" 21	50	150	47	70½			220½
" 23	8	24	9	13½	232	696	733½
" 25			11	16½			16½

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	Department				Hired		Total
	Teams		Carts		Teams		
1914	Loads	Cu. Yds.	Loads	Cu. Yds.	Loads	Cu. Yds.	Cu. Yds.
Feb. 26	40	120	55	82½			202½
" 27	30	90	51	76½			166½
" 28	20	60	40	60			120
March 3	53	159	48	72			231
" 4	36	108	22	33			141
	549	1047	480	720	1165	3498	5265

Settling Tank

The Settling Tank, located on Briggs Wharf, was cleaned this year at an expense of $422.6[illegible]. Minor repairs were made at an expense of $1[illegible].

Appropriation, $8[illegible]; expenditure, $4[illegible]; balance, $1[illegible].

The Main Sewer should be cleaned next year.

STREET CLEANING

The cleaning of streets other than the permanent pavements was commenced on the second day of April and continued until the twenty-[illegible] day of [illegible]. No [illegible] when the work was discontinued until next season. The [illegible] work about three weeks longer than [illegible] which was made possible by a transfer of $[illegible] from another appropriation.

The appropriation for Street Cleaning should be at least $[illegible], as the [illegible] is increasing every year.

The street cleaning [illegible] the sections [illegible] of which [illegible] the business districts, including the [illegible] and the section west Julia[illegible] [illegible] the pavements of [illegible] Street, [illegible] Wharf. From [illegible]

[illegible] the department. [illegible]

[illegible]

[illegible]	[illegible]	$[illegible]
[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]
	[illegible]	$[illegible]

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Bellevue Avenue.....	868.9	15935030	$2350 34
All Other Streets.....	803.7	12594100	17752 92
Total.	3478.4	56235012	$31847 11

Appropriation for Street Cleaning, $32,000.00; expenditure, $31,847.11; balance, $152.89.

Refuse Disposal

The city refuse was collected by the contractors, Messrs. Neffer & Hattub. Very few complaints have been received by this office, therefore the collection has been satisfactory.

Two men are employed at the dump to dispose of the material as received.

Total Appropriation, $11,600.00; Expenditure, $11,584.55, Balance, $15.45.

Cleaning Catch Basins and Eyes

Four men with apparatus were employed during the year, weather permitting, in cleaning and flushing catch basins and eyes. 1,619 Catch Basins and 1,113 Eyes were cleaned and flushed, and 1,407 loads of material were removed at an expense of $3,425.23.

It will be necessary to purchase two steel carts next year because the carts are now worn-out past repair.

Catch Basins and Eyes

	Catch Basins.	Eye-holes.	Total
Previously reported,	477	309	786
Built during 1914,	4	10	14
Total,	481	319	800

Cleaning Main Sewers

The cleaning and flushing of our sewage system is performed by four competent men, who are employed throughout the year.

We have now about Fifty miles of sewers, which are cleaned this year at an expense of $2,178.99. Average cost per mile—$43.58.

During the fiscal year, this department has inspected 151 individual sewer connections.

Street Sprinkling

Street Watering commenced on the first day of May and continued until the seventeenth day of November, when the carts were retired.

The total cost of watering this year was $10,306.26 or about $198.20 per mile for the season. Fifty-two miles of streets were watered at least twice daily, when needed.

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It will be necessary to purchase one double and three single watering carts next year to replace worn-out carts.

It is many years since this department has purchased any watering carts. This is due to the fact that the carts are thoroughly overhauled, repaired and painted every winter by the permanent men. This method of treatment prolongs the life of the carts.

The following statistics will give you the amount of work performed by each cart, viz:

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STREET WATERING

Double Cart No. 25. Capacity 600 gals.

Loads per day—Fresh, 26; Salt, None. Gallons Used per day—Fresh, 15,600; Salt, None.

1914	Days	Totals Gallons of Water Used. Fresh	Salt	Total	Mileage of Streets Watered. Fresh	Salt	Total	Area of Streets Watered. Fresh	Salt	Total
May	19–2	300300	.....	300300	267.77	.....	267.77	4096747	.....	4096747
June	25	390000	.....	390000	263.25	.....	263.25	3542700	.....	3542700
July	20	312000	.....	312000	210.60	.....	210.60	2834160	.....	2834160
Aug.	16–6	261300	.....	261300	165.32	.....	165.32	2125441	.....	2125441
Sept.	27	421200	.....	421200	266.49	.....	266.49	3426084	.....	3426084
Oct.	18–6	292500	.....	292500	185.06	.....	185.06	2379225	.....	2379225
Nov.	4–4	70200	.....	70200	44.42	.....	44.42	571014	.....	571014
	131–2	2047500	.....	2047500	1402.91	.....	1402.91	18975371	.....	18975371

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STREET WATERING

Double Cart No. 26. Capacity 600 gals.

Loads per day—Fresh, 26; Salt, None. Gallons Used per day—Fresh, 15,600; Salt, None.

		Totals Gallons of Water Used.			Mileage of Streets Watered.			Area of Streets Watered.		
1914	Days	Fresh	Salt	Total	Fresh	Salt	Total	Fresh	Salt	Total
April	4–6	74100	.....	74100	57.10	.....	57.10	756742	.....	756742
May	3	46800	.....	46800	36.06	.....	36.06	477942	.....	477942
	7–6	120900	.....	120900	93.16	.....	93.16	1234684	.....	1234684

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STREET WATERING

Double Cart No. 27. Capacity 600 gals.

Loads per day—Fresh, 28 ; Salt, None. Gallons Used per day—Fresh, 16,800 ; Salt, None.

1914	Days	Totals Gallons of Water Used. Fresh	Salt	Total	Mileage of Streets Watered. Fresh	Salt	Total	Area of Streets Watered. Fresh	Salt	Total
April	5–1	86100	.....	86100	47.56	.....	47.56	925155	.....	925155
May	24–2	407400	.....	407400	198.37	.....	198.37	3712238	.....	3712238
June	27	453600	.....	453600	167.40	.....	167.40	3440556	.....	3440556
July	22–5	380100	.....	380100	140.27	.....	140.27	2883059	.....	2883059
Aug.	20–4	344400	.....	344400	127.10	.....	127.10	2612274	.....	2612274
Sept.	26–2	441000	.....	441000	162.75	.....	162.75	3344985	.....	3344985
Oct.	24	403200	.....	403200	148.80	.....	148.80	3058272	.....	3058272
Nov.	12–6	214200	.....	214200	79.05	.....	79.05	1624707	.....	1624707
	162-4	2730000	.....	2730000	1071.30	.....	1071.30	21601246	.....	21601246

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STREET WATERING

Double Cart No. 29. Capacity 600 gals.

Loads per day Fresh, 26; Salt, None. Gallons Used per day Fresh, 15,600; Salt, None.

1914	Days	Totals Gallons of Water Used. Fresh	Salt	Total	Mileage of Streets Watered. Fresh	Salt	Total	Area of Streets Watered. Fresh	Salt	Total
May	21 4	335400	.....	335400	202.32	.....	202 32	3157602	.....	3157602
June	25 4	397800	.....	397800	154 27	.....	154 27	2384802	.....	2384802
July	20 4	319800	.....	319800	124.03	.....	124 03	1917242	.....	1917242
Aug.	18 2	284700	.....	284700	110 41		110 41	1706813	.....	1706813
Sept.	27	421200	.....	421200	163.35	.....	163 35	2525148	.....	2525148
Oct.	20	312000	.....	312000	121 00	.....	121.00	1870480	.....	1870480
Nov.	5	78000	.....	78000	30.25	.....	30.25	467620	.....	467620
	137 6	2148900	.....	2148900	905.63	.....	905 63	14029827	.....	14029827

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STREET WATERING

Double Cart No. 30. Capacity 600 gals.

Loads per day—Fresh, 10; Salt, 10. Gallons Used per day—Fresh, 6,000; Salt, 6,000.

		Totals Gallons of Water Used.			Mileage of Streets Watered.			Area of Streets Watered.		
1914	Days	Fresh	Salt	Total	Fresh	Salt	Total	Fresh	Salt	Total
May	18–4	111000	111000	222000	76.96	75.48	152.44	1205386	1609426	2814812
June	25	150000	150000	300000	104.00	102.00	206.00	1628900	2174900	3803800
July	20–4	123000	123000	246000	85.28	83.64	168.92	1335698	1783418	3119116
Aug.	17–6	106500	106500	213000	73.84	72.42	146.26	1156519	1544179	2700698
Sept.	26	162000	162000	324000	112.32	110.16	222.48	1759212	2348892	4108104
Oct.	5–2	31500	31500	63000	21.84	21.42	43.26	342069	456729	798798
	114	684000	684000	1368000	474.24	465.12	939.36	7427784	9917544	17345328

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STREET WATERING

Double Cart No. 31. Capacity 600 gals.

Loads per day—Fresh, None; Salt, 12. Gallons Used per day Fresh, None; Salt, 7,200.

1914	Days	Totals Gallons of Water Used. Fresh	Salt	Total	Mileage of Streets Watered. Fresh	Salt	Total	Area of Streets Watered. Fresh	Salt	Total
May	18 2	.....	131400	131400	.....	113.33	113.33	.....	1996331	1996331
June	25	.....	180000	180000	.....	117 00	117.00	.....	2107500	2107500
July	20-4	.....	147600	147600	.....	95.94	95.94	.....	1801950	1801950
Aug.	17 2	.....	124200	124200	.....	80.73	80.73	.....	1516275	1516275
Sept.	27	.....	194400	194400	.....	126.36	126.36	.....	2373300	2373300
Oct.	5 2	.....	37800	37800	.....	24.57	24.57	.....	461475	461475
	113-2	.....	815400	815400	.....	557.93	557.93	.....	10946831	10946831

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STREET WATERING

Double Cart No. 32 — Capacity 700 gals.

Loads per day—Fresh, 25; Salt, None. — Gallons Used per day—Fresh, 17,500; Salt, None.

1914	Days	Totals. Gallons of Water Used. Fresh	Salt	Total	Mileage of Streets Watered. Fresh	Salt	Total	Area of Streets Watered. Fresh	Salt	Total
May	18-2	319375	.....	319375	86.69	.....	86.69	1141538	.....	1141538
June	25-4	446250	.....	446250	98.68	.....	98.68	1333242	.....	1333242
July	20	350000	.....	350000	77.40	.....	77.40	1045680	.....	1045680
Aug.	17-2	301875	.....	301875	66.76	.....	66.76	901899	.....	901899
Sept.	27	472500	.....	472500	104.49	.....	104.49	1411668	.....	1411668
Oct.	18-6	328125	.....	328125	72.56	.....	72.56	980325	.....	980325
Nov.	4-4	78750	.....	78750	17.42	.....	17.42	235278	.....	235278
	131-2	2296875	.....	2296875	524.00	.....	524.00	7049630	.....	7049630

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[illegible]

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STREET WATERING

Single Cart No. 10 — Capacity 350 gals.

Loads per day - Fresh, 38; Salt, None. — Gallons Used per day—Fresh, 13,300; Salt, None.

		Totals. Gallons of Water Used.			Mileage of Streets Watered.			Area of Streets Watered.		
1914	Days	Fresh	Salt	Total	Fresh	Salt	Total	Fresh	Salt	Total
May	17-6	236075	.....	236075	131.71	.....	131.71	1838439	.....	1838439
June	23	305900	.....	305900	170.66	.....	170.66	2382202	.....	2382202
July	16	212800	.....	212800	118.72	.....	118.72	1657184	.....	1657184
Aug.	14	186200	.....	186200	103.88	.....	103.88	1450036	.....	1450036
Sept.	26	345800	.....	345800	192.92	.....	192.92	2692924	.....	2692924
Oct.	20-6	275975	.....	275975	153.96	.....	153.96	2149160	.....	2149160
Nov.	4-4	59850	.....	59850	33.39	.....	33.39	466083	.....	466083
	122	1622600	.....	1622600	905.24	.....	905.24	12636028	.....	12636028

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STREET WATERING

Single Cart No. 14. Capacity 350 gals.

Loads per day Fresh, 30; Salt, None. Gallons Used per day Fresh, 10,500; Salt, None.

1914	Days	Totals Gallons of Water Used. Fresh	Salt	Total	Mileage of Streets Watered. Fresh	Salt	Total	Area of Streets Watered. Fresh	Salt	Total
May	21 2	223125	.....	223125	160 23	.....	160 23	1020065		1020065
June	25	262500	.....	262500	188 50	.....	188 50	2258900		2258900
July	20	210000	....	210000	143 40	...	143 40	1629440		1629440
Aug.	18	189000	.....	189000	129 06	...	129 06	1466496		1466496
Sept.	27	283500	.....	283500	193 59		193 59	2199744		2199744
Oct.	19	199500	.....	199500	136 23	.....	136 23	1547968		1547968
Nov.	4 4	47250	.....	47250	32.26	.....	32 26	366624		366624
	134 6	1414875	.....	1414875	983.27	.....	983 27	11809237		11809237

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STREET WATERING

Single Cart No. 15. Capacity 350 gals.

Loads per day—Fresh, 38; Salt, None. Gallons Used per day—Fresh, 13,300; Salt, None.

1914	Days	Totals Gallons of Water Used. Fresh	Salt	Total	Mileage of Streets Watered. Fresh	Salt	Total	Area of Streets Watered. Fresh	Salt	Total
May	18–6	249375	.....	249375	119.81	.....	119.81	1428300	.....	1428300
June	25	332500	.....	332500	159.75	.....	159.75	1904400	.....	1904400
July	20	266000	.....	266000	127.80	.....	127.80	1523520	.....	1523520
Aug.	18	239400	.....	239400	115.02	.....	115.02	1371168	.....	1371168
Sept.	27	359100	.....	359100	172.53	.....	172.53	2056752	.....	2056752
Oct.	19–2	256025	.....	256025	123.01	.....	123.01	1466388	.....	1466388
Nov.	5	66500	.....	66500	31.95	.....	31.95	380880	.....	380880
	133	1768900	.....	1768900	849.87	.....	849.87	10131408	.....	10131408

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STREET WATERING

Single Cart No. 16. Capacity 850 gals.

Loads per day Fresh, 37; Salt, None. Gallons Used per day, 12,050, Salt, None.

1914	Days	Totals Gallons of Water Used. Fresh	Salt	Total	Mileage of Streets Watered. Fresh	Salt	Total	Area of Streets Watered Fresh	Salt	Total
May	23	297850	.....	297850	132 48	...	132 48	2610914		2610914
June	25	323750	.....	323750	140 25	...	140 25	2791500		2791500
July	21	271950	.....	271950	117.81	...	117 81	2344860		2344860
Aug.	18 4	239575	.....	239575	103 79	...	103 79	2005710		2005710
Sept.	27	349650	.....	349650	151 47	...	151.47	3014820		3014820
Oct.	22 2	288138	.....	288138	124 82	...	124 82	2484435		2484435
Nov.	9	116550	.....	116550	50.49	...	50 49	1004940		1004940
	145 6	1887463	.....	1887463	821 11	...	821.11	16817179		16817179

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STREET WATERING

Single Cart No. 22 — Capacity 300 gals

Loads per day—Fresh, 30 ; Salt, None. — Gallons Used per day—Fresh, 9,000 ; Salt, None.

		Totals Gallons of Water Used.			Mileage of Streets Watered.			Area of Streets Watered.		
1914	Days	Fresh	Salt	Total	Fresh	Salt	Total	Fresh	Salt	Total
May	21–4	193500	.....	193500	164.69	.....	164.69	2471038	.....	2471038
June	25–4	229500	.....	229500	163.46	.....	163.46	2531691	.....	2531691
July	20	180000	.....	180000	128.20	.....	128.20	1985640	.....	1985640
Aug.	18	162000	.....	162000	106.92	.....	106.92	1693368	.....	1693368
Sept.	27	243000	.....	243000	160.38	.....	160.38	2540052	.....	2540052
Oct.	21	189000	.....	189000	124.74	.....	124.74	1975596	.....	1975596
Nov.	6	54000	.....	54000	35.64	.....	35.64	564456	.....	564456
	139	1251000	.....	1251000	884.03	.....	884.03	13761841	.....	13761841

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STREET WATERING

Single Cart No. 37 — Capacity 800 gals

Loads per day: Fresh, 14; Salt, 2 — Gallons Used per day: Fresh, 4,000; Salt, 400

1914	Days	Totals Gallons of Water Used			Mileage of Streets Watered			Area of Streets Watered		
		Fresh	Salt	Total	Fresh	Salt	Total	Fresh	Salt	Total
May										
June	16	78400	11200	89600	67.84	6.05	73.93	[illegible]	[illegible]	[illegible]
	24	117600	16800	134400	96.00	9.13	105.08	[illegible]	[illegible]	[illegible]
July	17	83300	11900	95200	68.05	6.46	76.14	[illegible]	[illegible]	[illegible]
Aug.	14.4	71050	10150	81200	58.58	5.51	64.09	[illegible]	[illegible]	[illegible]
Sept.	22	107800	15400	123200	88.88	8.36	97.24	[illegible]	[illegible]	[illegible]
Oct.	16	78400	11200	89600	64.64	6.08	70.72	[illegible]	[illegible]	[illegible]
	109.4	536550	76650	613200	446.58	41.61	487.19	[illegible]	[illegible]	[illegible]

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SUMMARY OF STREET WATERING

		Gallons of Water Used			Mileage of Streets Watered			Area of Streets Watered.		
Cart	Days	Fresh	Salt	Total	Fresh	Salt	Total	Fresh	Salt	Total
25	131-2	2047500	.....	2047500	1402.91	.....	1402.91	18975371	.....	18975371
26	7-6	120900	.....	120900	93.16	.....	93.16	1234684	.....	1234684
27	162-4	2730000	.....	2730000	1071.30	.....	1071.30	21601246	.....	21601246
29	137-6	2148900	.....	2148900	905.63	.....	905.63	14029827	.....	14029827
30	114	684000	684000	1368000	474.24	465.12	939.36	7427784	9917544	17345328
31	113-2	.....	815400	815400	.....	557.93	557.93	.....	10346831	10346831
32	131-2	2296875	.....	2296875	524.00	.....	524.00	7049630	.....	7049630
33	124-6	2020950	.....	2020950	1106.04	.....	1106.04	16593198	.....	16593198
10	122	1622600	.....	1622600	905.24	.....	905.24	12636028	.....	12636028
14	134-6	1414875	.....	1414875	983.27	.....	983.27	11389237	.....	11389237
15	133	1768900	.....	1768900	849.87	.....	849.87	10131408	.....	10131408
16	145-6	1887463	.....	1887463	821.11	.....	821.11	16317179	.....	16317179
22	139	1251000	.....	1251000	884.03	.....	884.03	13761841	.....	13761841
37	109-4	536550	76650	613200	445.58	41.61	487.19	5202815	973236	6176051
	1706-4	20530513	1576050	22106563	10466.38	1064.66	11531.04	156350248	21237611	177587859

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COMPARATIVE STATEMENT OF STREET WATERING

Year	Days	Gallons of Water Used			Miles of Streets Watered			Area of Streets Watered		
		Fresh	Salt	Total	Fresh	Salt	Total	Fresh	Salt	Total
1907	193.2	2962,914	224,076	3186,990	1918.01	1812.34	3730.35	[illegible]	[illegible]	[illegible]
1908	197.2	[illegible]	1,301,038	4,224,770	1,606.45	1,708.41	3,314.86	[illegible]	[illegible]	[illegible]
1909	171.3	2,691,462	1,001,003	3,693,114	1,663.03	1,630.13	3,293.16	[illegible]	[illegible]	[illegible]
1910	162.6	2,412,938	2,274,674	4,687,612	1,614.10	1,403.47	3,017.57	[illegible]	[illegible]	[illegible]
1911	169.5	1,808,184	1,617,900	3,426,084	1,430.67	1,378.40	2,809.07	[illegible]	[illegible]	[illegible]
1912	167.4	2,005,069	1,806,660	3,810,730	1,951.34	1,007.77	2,959.11	[illegible]	[illegible]	[illegible]
1913	144.1	1,881,771	1,177,600	3,059,371	1,604.46	1,078.46	2,682.92	[illegible]	[illegible]	[illegible]
1914	170.4	2,653,613	1,670,000	4,323,613	1,610.38	1,004.00	2,614.38	[illegible]	[illegible]	[illegible]

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STANDPIPE LOCATIONS

AYRAULT STREET
near Kay Street

ANNANDALE ROAD
opposite Ward Avenue
" Weaver Avenue

BEDLOW AVENUE
near Broadway

BELLEVUE AVENUE
near Jones Avenue
" Perry Street
" Yznaga Avenue
" Ledge Road
opposite Bancroft Avenue

BLISS ROAD
opposite Ledyard Place

BOWERY STREET
opposite King Street

BRIDGE STREET
near N. Y., N. H. and H. R. R.

BRINLEY STREET
near Kay Street

BROADWAY
near Mann Avenue
" Bliss Road
" Princeton Street
north of Vernon Avenue

CARROLL AVENUE
near Ocean Avenue
" Ruggles Avenue

CASTLE HILL AVENUE
near Ridge Road

CATHERINE STREET
near Brinley Street

CHANNING STREET
near Dartmouth Street

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CHURCH STREET
near High Street

CLIFF AVENUE
between Morton Road and Berkeley Avenue

COMMONWEALTH AVENUE
near Crescent Avenue
" Beacon Avenue
opposite No. 1 Fire Station
" Morton Park

EAST BROADWAY STREET
near Freeport Street

EASTON'S BEACH
at Pavilion

ELM STREET
near Washington Street

FAREWELL STREET
north of Warner Street

FRANKLIN STREET
at Post Office

HOBBS AVENUE
near Catherine Street

[illegible] AVENUE
between Fort Lafayette Avenue and Evarts Street

[illegible] AVENUE
near Harrison Avenue

[illegible] AVENUE
near Greenleaf Avenue
" Webster Estate
at [illegible] Estate
Corner of Norman's Estate
at Fort Adams

[illegible] AVENUE
near Washington Avenue
" Connecticut Street

[illegible] STREET
near Power Avenue

[illegible] AVENUE
near [illegible] Street

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MIDDLETON AVENUE
near Bath Road

MOUNT VERNON STREET
near Barney Street

NARRAGANSETT AVENUE
near Clay Street

OCHRE POINT AVENUE
at Van Alen Estate

PARKER AVENUE
near Bellevue Avenue

PELHAM STREET
at Touro Park

POPLAR STREET
near Washington Street

POWEL AVENUE
near Broadway

RHODE ISLAND AVENUE
near Old Beach Road

RIDGE ROAD
opposite Hoffman Estate

RIVER LANE
rear Army and Navy Y. M. C. A.

RUGGLES AVENUE
near Ochre Point Avenue
" Wetmore Avenue

SECOND STREET
between Chestnut Street and Cherry Street
" Elm Street and Poplar Street

SPRING STREET
near Narragansett Avenue
" Holland Street
opposite Dennison Street
" Gidley Street
near Pelham Street
" Mary Street
" Touro Street

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FIRST CAR OF DUSTOLINE

First Application, May 9, 11, 18, 19, 20, 1914

Street or Avenue	Sq. Yds.	Average Gal. per Sq. Yd.	Gals. Used	Total Cost
Second Street	6358	.0759	483	$42.34
Third Street, Marsh Street to Cypress Street	9536	.0405	386	33.84
Cypress Street	2396	.0405	97	8.50
Washington Street, Battery Street to Railroad Tracks	6534	.0527	344	30.16
Washington Street, Battery Street North	222	.0527	12	1.05
Battery Street	1188	.0527	63	5.52
Maitland Court	618	.0527	33	2.89
LaSalle Place	590	.0527	31	2.72
Bridge Street	2629	.0649	171	14.99
Cross Street	748	.0649	49	4.30
Thames Street, Bridge Street to Poplar Street	800	.0649	52	4.56
Sanford Street	356	.0649	23	2.02
North Baptist Street	492	.0649	32	2.81
Elm Street	2416	.0649	157	13.76
Poplar Street, Washington Street to Third Street	1167	.0733	86	7.54

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FIRST CAR OF DUSTOLINE

First Application, May 9, 11, 18, 19, 20, 1914

Street or Avenue	Sq. Yds.	Average Gal. per Sq. Yd.	Gals. Used	Total Cost
Chase Street	229	0733	17	$1.49
Willow Street	1968	0733	144	12.62
Walnut Street	2095	0733	154	13 50
Chestnut Street	1129	0733	83	7 28
Cherry Street	1350	0454	61	5 35
Gourney Court	490	0454	22	1 93
Sunshine Court	448	0454	20	1 75
Gladding Court	250	0454	12	1.05
Pine Street	1384	0454	63	5 52
Sycamore Street	2378	0454	108	9 47
Van Zandt Avenue, Farewell Street to the Harbor	4338	0454	197	17 20
Ridge Road	10744	0661	711	62 33
Harrison Avenue, Ridge Road to Webster's	18489	0661	1223	107 21
Rousemaniere Place	213	0453	10	88
Northam Lane, Thames Street to Rousemaniere Place	339	0453	15	1.31

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FIRST CAR OF DUSTOLINE

First Application, May 9, 11, 18, 19, 20, 1914

Street or Avenue	Sq. Yds.	Average Gal. per Sq. Yd.	Gals. Used	Total Cost
Whittier Avenue	707	.0453	32	$2.81
Dennis Avenue	520	.0453	24	2.10
Wilcox Court	208	.0453	9	.79
Sherman Wharf	1500	.0453	68	5.96
Swinburne's Wharf	1017	.0453	46	4.03
Champlin's Wharf	735	.0453	33	2.89
Bull's Wharf, 150 feet	250	.0453	11	.96
Lopez Wharf, 150 feet	250	.0453	11	.96
Market Square	550	.0453	25	2.19
Newman's Wharf	611	.0453	28	2.46
Ferry Wharf	342	.0453	15	1.31
Bowen's Wharf	1279	.0453	58	5.08
West Pelham Street	1057	.0453	48	4.21
Sayer's Wharf	1625	.0453	74	6.49
Scott's Wharf	550	.0453	25	2.19

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FIRST CAR OF DUSTOLINE

First Application, May 9, 11, 18, 19, 20, 1914

Street or Avenue	Sq. Yds.	Average Gal. per Sq. Yd.	Gals. Used	Total Cost
Chase Street	229	.0733	17	$1.49
Willow Street	1968	.0733	144	12.62
Walnut Street	2095	.0733	154	13.50
Chestnut Street	1129	.0733	83	7.28
Cherry Street	1350	.0454	61	5.35
Guerney Court	490	.0454	22	1.93
Sunshine Court	448	.0454	20	1.75
Gladding Court	250	.0454	12	1.05
Pine Street	1384	.0454	63	5.52
Sycamore Street	2378	.0454	108	9.47
Van Zandt Avenue, Farewell Street to the Harbor	4333	.0454	197	17.26
Ridge Road	10744	.0661	711	62.33
Harrison Avenue, Ridge Road to Webster's	18489	.0661	1223	107.21
Rousemainere Place	213	.0453	10	.88
Northam Lane, Thames Street to Rousemainere Place	333	.0453	15	1.31

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FIRST CAR OF DUSTOLINE

First Application, May 9, 11, 18, 19, 20, 1914

Street or Avenue	Sq. Yds.	Average Gal. per Sq. Yd.	Gals. Used	Total Cost
Whittier Avenue	707	.0453	32	$2.81
Dennis Avenue	520	.0453	24	2.10
Wilcox Court	208	.0453	9	.79
Sherman Wharf	1500	.0453	68	5.96
Swinburne's Wharf	1017	.0453	46	4.03
Champlin's Wharf	735	.0453	33	2.89
Bull's Wharf, 150 feet	250	.0453	11	.96
Lopez Wharf, 150 feet	250	.0453	11	.96
Market Square	550	.0453	25	2.19
Newman's Wharf	611	.0453	28	2.46
Ferry Wharf	342	.0453	15	1.31
Bowen's Wharf	1279	.0453	58	5.08
West Pelham Street	1057	.0453	48	4.21
Sayer's Wharf	1625	.0453	74	6.49
Scott's Wharf	550	.0453	25	2.19

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FIRST CAR OF DUSTOLINE

First Application, May 9, 11, 18, 19, 20, 1914

Street or Avenue	Sq. Yds.	Average Gal. per Sq. Yd.	Gals. Used	Total Cost
Harrington Street	928	.0453	42	$3.68
Cotton Court	360	.0453	16	1.40
Mary Street, Spring Street to Touro Street	1138	.0614	71	6.22
High Street	818	.0614	50	4.38
School Street	1074	.0614	66	5.79
Mount Vernon Street, Touro Street to Bull Street	1733	.0614	106	9.29
Whitfield Court	708	.0614	43	3.77
Barney Street	1006	.0614	63	5.44
Sherman Street	1377	.0614	85	7.45
Touro Street, Spring Street to Bellevue Avenue	2046	.0789	162	14.20
Kay Street, Bellevue Avenue to Gibbs Avenue	10200	.0789	805	70.57
Rhode Island Avenue, Kay Street to Old Beach Road	10153	.0243	247	21.65
Annandale Road	7626	.0243	186	16.31

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FIRST CAR OF DUSTOLINE

First Application, May 9, 11, 18, 19, 20, 1914

Street or Avenue	Sq. Yds.	Average Gal. per Sq. Yd.	Gals. Used	Total Cost
Dresser Street	2058	.0243	50	$4.88
	158268		8218	$720.89

Cost per gallon, applied, $0.08766
Average Cost per square yard, $0.0047

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SECOND CAR OF DUSTOLINE

First Application, May 11, 14, 15, 16, 1914

Street or Avenue	Sq. Yds.	Average Gal. per Sq. Yd.	Gals. Used	Total Cost
Marsh Street	3717	.0408	152	$13.32
Braman Court	591	.0408	24	2.10
Farewell Street, Broadway to Van Zandt Avenue	7529	.0408	307	26.91
Coddington Street	680	.0408	28	2.46
Charles Street, North Baptist Street to Marlborough Street	880	.0723	64	5.61
West Marlborough Street	2123	.0723	154	13.50
Marlborough Street	2272	.0723	164	14.38
West Broadway	3981	.0723	288	25.25
Branch Street	212	.0723	15	1.31
Gould Street	1927	.0723	139	12.18
Tilley Avenue	1572	.0723	114	9.99
Congdon Avenue	1179	.0723	85	7.45
Washington Square	4333	.0812	352	30.86
Park Place	398	.0812	32	2.81
Touro Street, Spring Street to Thames Street	1556	.0812	127	11.13

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RECORD OF PROCEEDINGS

Final Application May 11 to 18 1914

Street or Avenue	By Who	Approved Final Est. Cost	Total Paid	Total Cost
Brook, Island Avenue, Broadway to Bay Street	[illegible]	[illegible]	[illegible]	[illegible]
Bryant Avenue	[illegible]	[illegible]	[illegible]	[illegible]
Bogue Street	[illegible]	[illegible]	[illegible]	[illegible]
Bay Street	[illegible]	[illegible]	[illegible]	[illegible]
Brownsville Street	[illegible]	[illegible]	[illegible]	[illegible]
Belmont Place	[illegible]	[illegible]	[illegible]	[illegible]
Beaubien Avenue	[illegible]	[illegible]	[illegible]	[illegible]
Cambridge Street	[illegible]	[illegible]	[illegible]	[illegible]
Dodworth Street	[illegible]	[illegible]	[illegible]	[illegible]
Cambridge Avenue, Blue Road to Cambridge Street	[illegible]	[illegible]	[illegible]	[illegible]
Cambridge Street, Bellevue Avenue to Cambridge Avenue	[illegible]	[illegible]	[illegible]	[illegible]
Elizabeth Street	[illegible]	[illegible]	[illegible]	[illegible]
Fowler Street	[illegible]	[illegible]	[illegible]	[illegible]
Fairview Avenue	[illegible]	[illegible]	[illegible]	[illegible]
Franklin Avenue, Cambridge Street to Memphis Street	[illegible]	[illegible]	[illegible]	[illegible]

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SECOND CAR OF DUSTOLINE

First Application, May 11, 14, 15, 16, 1914

Street or Avenue	Sq. Yds.	Average Gal. per Sq. Yd.	Gals. Used	Total Cost
Hunter Avenue	4715	.0528	249	$21.83
Old Beach Road, Bellevue Avenue to Gibbs Avenue	7327	.0547	401	35.15
Red Cross Avenue, Old Beach Road South, (500 feet)	2000	.0547	110	9.64
Chapel Street	3074	.0710	218	19.11
DeBlois Street	907	.0710	65	5.70
State Street	1841	.0710	131	11.48
Downing Street	633	.0710	45	3.95
Franklin Street	735	.0710	52	4.56
	117404		6136	$537.88

Cost per gallon applied, $0.08766

Average Cost per square yard, $0.0046

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THIRD CAR OF DUSTOLINE

First Application, May 22, June 3, 4, 5, 6, 23, 1914

Street or Avenue	Sq. Yds.	Average Gal. per Sq. Yd.	Gals. Used	Total Cost
East Bowery Street	4022	.0598	241	$21.13
Berkeley Avenue	5619	.0598	336	29.45
Narragansett Avenue, Thames Street to Forty Steps	18577	.0621	1154	101.16
Parker Avenue, Bellevue Avenue East, 400 feet	1067	.0671	72	6.31
Clay Street	3443	.0671	231	20.25
Ochre Point Avenue, Ruggles Avenue North, 200 feet	511	.0671	34	2.98
Ruggles Avenue, Wetmore Avenue to Drexel's Estate	2750	.0671	185	16.22
Brewster Court	816	.0671	55	4.82
Around Grass Plat, Carroll Avenue near Bateman Avenue	111	.0959	11	.96
Carroll Avenue, Thames Street to Bateman Avenue*	4915	.1043	513	44.97
Old Fort Road, Carroll Avenue Southwest, 200 feet	556	.0959	53	4.65
Poplar Street, Thames Street to Third Street	2100	.0826	173	15.17
Whitehall Street	760	.0826	63	5.52
Bath Road, Bellevue Avenue to Freebody Street	3163	.0826	261	22.88
Colonial Street	309	.0826	26	2.28

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THIRD CAR OF DUSTOLINE

First Application, May 22, June 3, 4, 5, 6, 23, 1914

Street or Avenue	Sq. Yds.	Average Gal. per Sq. Yd.	Gals. Used	Total Cost
Meeting Street	650	.0826	54	$4.73
Chastellux Avenue	3591	.0804	289	25.33
Wellington Avenue*,	15289	.1320	2019	176.99
Halidon Avenue	3427	.0837	287	25.16
Harrison Avenue, Webster's to Chastellux Avenue	3467	.0837	290	25.42
Church Street, Bellevue Avenue West, 400 feet	933	.0726	68	5.96
Mill Street, Bellevue Avenue West, 400 feet	933	.0726	68	5.96
Touro Park West	440	.0726	32	2.81
Pelham Street, Bellevue Avenue West, 400 feet	933	.0726	68	5.96
Prospect Hill Street, Bellevue Avenue West, 400 feet	567	.0726	41	3.59
John Street, Bellevue Avenue West, 400 feet	800	.0726	58	5.08
William Street, Bellevue Avenue West, 400 feet	711	.0726	51	4.47
Jones Avenue	1627	.0726	119	10.43
Morton Avenue	4225	.0852	360	31.56
	86322		7212	$632.20

Cost per gallon applied, $0.08766

Average Cost per square yard, $.0073

*New Work

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THIRD CAR OF DUSTOLINE

Second Application, June 6, 23, 1914

Street or Avenue	Sq. Yds.	Average Gal. per Sq. Yd.	Gals. Used	Total Cost
Bath Road, Bellevue Avenue to Freebody Street	3163	.0137	43	$3.77
Kay Street, Touro Street to Bull Street	2070	.0137	29	2.54
West Broadway	3981	.0666	265	23.23
Gould Street	1927	.0666	128	11.22
Tilley Avenue	1572	.0666	105	9.20
Congdon Avenue	1179	.0666	79	6.93
Carroll Avenue, Thames Street to Bateman Avenue	4915	.0386	190	16.66
Around Grass Plat, Carroll Avenue near Bateman Avenue	111	.0386	4	.35
Old Fort Road, Carroll Avenue Southwest, 200 feet	556	.0386	22	1.93
	19474		865	$75.83

Cost per gallon applied, $0.08766

Average Cost per square yard, $0.0039.

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FOURTH CAR OF DUSTOLINE

First Application, July 23, 1914

Street or Avenue	Sq. Yds.	Average Gal. per Sq. Yd.	Gals. Used	Total Cost
Eustis Avenue, Catherine Street to Water Works Road.....	3467	.0628	218	$19.11

Cost per gallon applied, $0.08766
Average Cost per square yard, $0.0055

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FOURTH CAR OF DUSTOLINE

Second Application, June 26, 27, July 23, 27, 1914

Street or Avenue	Sq. Yds.	Average Gal. per Sq. Yd.	Gals. Used.	Total Cost
Branch Street	212	.0164	3	.26
Farewell Street, Broadway to Van Zandt Avenue	7529	.0417	314	27.53
Braman Court	591	.0417	25	2.19
Walnut Street	2095	.0417	87	7.63
Marsh Street	3717	.0417	155	13.59
Old Beach Road, Bellevue Avenue to Gibbs Avenue	7327	.0275	202	17.71
Rhode Island Avenue, Broadway to Kay Street	3360	.0275	92	8.06
Rhode Island Avenue, Catherine Street to Old Beach Road	2250	.0275	62	5.43
Powel Avenue	4470	.0275	123	10.78
Friendship Street	3724	.0275	103	9.03
West Marlborough Street	2123	.0831	176	15.43
Marlborough Street*	2272	.1280	291	25.51
Sherman Street	1377	.0831	115	10.08
Hunter Avenue	4715	.0154	73	6.40
Chapel Street	3074	.0499	154	13.50

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FOURTH CAR OF DUSTOLINE

Second Application, June 26, 27, July 23, 27, 1914

Street or Avenue	Sq. Yds.	Average Gal. per Sq. Yd.	Gals. Used	Total Cost
State Street	1841	.0499	92	$8.06
DeBlois Street	907	.0499	45	3.95
	154991		6762	$592.76

Cost per gallon applied, $0.08766
Average Cost per square yard, $0.0038

*New Work

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FOURTH CAR OF DUSTOLINE

Third Application, July 23, 27, 1914

Street or Avenue	Sq. Yds.	Average Gal. per Sq. Yd.	Gals. Used	Total Cost
Poplar Street, Thames Street to Third Street*	2100	.1038	218	$19.11
Gardner Street	682	.1070	73	6.40
West Broadway	3981	.0656	261	22.88
Branch Street	212	.0656	14	1.23
Gould Street	1927	.0656	127	11.13
Tilley Avenue	1572	.0656	103	9.03
Congdon Avenue	1179	.0656	77	6.75
Bath Road, Bellevue Avenue to Freebody Street	3163	.0688	218	19.11
Catherine Street, Bellevue Avenue to Brinley Street*	660	.1106	73	6.40
	15476		1164	$102.04

Cost per gallon applied, $0.08766

Average Cost per square yard, $0.0066

*New Work

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FIFTH CAR OF DUSTOLINE

First Application, August 4, 8, 1914

Street or Avenue	Sq. Yds.	Average Gal. per Sq. Yd.	Gals. Used	Total Cost
Levin Street	1096	.0453	50	$4.38
West Narragansett Avenue	4472	.0385	172	15.08
Bateman Avenue, Carroll Avenue to Meikle Avenue	1467	.0385	57	5.00
	7035		279	$24.46

Cost per gallon applied, $0.08766

Average Cost per square yard, $0.0034

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FIFTH CAR OF DUSTOLINE

Second Application, July 31, August 4, 5, 6, 7, 8, 1914

Street or Avenue	Sq. Yds.	Average Gal. per Sq. Yd.	Gals. Used	Total Cost
East Bowery Street	4022	.0569	229	$20.07
Annandale Road	7626	.0300	229	20.07
Church Street, Bellevue Avenue West, 400 feet	933	.0453	42	3.68
Mill Street, Bellevue Avenue West, 400 feet	933	.0453	42	3.68
Pelham Street, Bellevue Avenue West, 400 feet	933	.0453	42	3.68
Touro Park West	440	.0453	20	1.75
Prospect Hill Street, Bellevue Avenue West, 400 feet	567	.0453	26	2.28
John Street, Bellevue Avenue West, 400 feet	800	.0453	37	3.24
William Street, Bellevue Avenue West, 400 feet	711	.0453	32	2.81
Jones Avenue	1637	.0453	74	6.49
Dresser Street	2053	.0453	93	8.15
Red Cross Avenue, Old Beach Road South, 500 feet	2000	.0597	120	10.52
High Street	818	.0597	49	4.30
School Street	1074	.0597	64	5.61
Whitfield Court	708	.0597	42	3.68

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FIFTH CAR OF DUSTOLINE

Second Application, July 31, August 4, 5, 6, 7, 8, 1914

Street or Avenue	Sq. Yds.	Average Gal. per Sq. Yd.	Gals. Used	Total Cost
Mary Street, Spring Street to Touro Street	1138	.0597	68	$5.96
Ridge Road	10744	.0419	452	39.62
Harrison Avenue, Ridge Road to Chastellux Avenue	21956	.0419	921	80.73
Morton Avenue	4225	.0467	197	17.27
Narragansett Avenue, Thames Street to Forty Steps	18577	.0431	801	70.22
Clay Street	3443	.0252	87	7.63
Parker Avenue, Bellevue Avenue East, 400 feet	1067	.0252	27	2.37
Rousemainere Place	213	.0286	6	.53
Northam Lane, Thames Street to Rousemainere Place	333	.0286	10	.88
Whittier Avenue	707	.0286	20	1.75
Dennis Avenue	520	.0286	15	1.31
Wilcox Court	208	.0286	6	.53
Sherman Wharf	1500	.0286	43	3.77
Swinburne's Wharf	1017	.0286	29	2.54
Champlin's Wharf	735	.0286	21	1.84
Bull's Wharf, (150 feet)	250	.0286	7	.61

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FIFTH CAR OF DUSTOLINE

Second Application, July 31, August 4, 5, 6, 7, 8, 1914

Street or Avenue	Sq. Yds.	Average Gal. per Sq. Yd.	Gals. Used	Total Cost
Lopez Wharf (150 feet)	250	.0286	7	$.61
Market Square	550	.0286	16	1.40
Newman's Wharf	611	.0286	17	1.49
Ferry Wharf	342	.0286	10	.88
Bowen's Wharf	1279	.0286	37	3.24
West Pelham Street	1057	.0286	30	2.63
Sayer's Wharf	1625	.0286	46	4.03
Scott's Wharf	550	.0286	16	1.40
North & South Commercial Wharf & Between	6725	.0286	192	16.83
Hammett's Lumber Yard (200 feet)	622	.0286	18	1.58
Perry Mill Wharf	1833	.0286	52	4.56
Bailey's Court (150 feet)	283	.0286	8	.70
Cottrell's Wharf	567	.0286	16	1.40
Taylor Court	767	.0286	22	1.93
Brown & Howard's Wharf	1000	.0286	29	2.54

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FIFTH CAR OF DUSTOLINE

Second Application, July 31, August 4, 5, 6, 7, 8, 1914

Street or Avenue	Sq. Yds.	Average Gal. per Sq. Yd.	Gals. Used	Total Cost
Lee's Wharf	1200	.0286	34	$2.98
West Howard Street	1052	.0286	30	2.63
Spring Wharf	1011	.0286	29	2.54
Extension Street, Thames Street West	867	.0286	25	2.19
Waite's Wharf	1114	.0286	32	2.81
Coddington Wharf	456	.0286	13	1.14
Goodwin Street	812	.0286	23	2.02
Richmond Street	650	.0286	19	1.67
Harrington Street	928	.0286	27	2.37
Cotton Court	360	.0286	10	.88
Wellington Avenue	15289	.0299	458	40.15
	133688		5067	$444.17

Cost per gallon applied, $0.08766

Average Cost per square yard, $0.0033

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FIFTH CAR OF DUSTOLINE

Third Application, July 31, August 4, 6, 1914

Street or Avenue	Sq. Yds.	Average Gal. per Sq. Yd.	Gals. Used	Total Cost
Farewell Street, Broadway to Van Zandt Avenue	7529	.0379	286	$25.07
Thames Street, Bridge Street to Poplar Street	800	.0618	49	4.30
Braman Court	591	.0618	37	3.24
Catherine Street, Rhode Island Avenue to Brinley Street	3000	.0287	86	7.54
Washington Square	4333	.0561	243	21.30
Touro Street, Spring Street to Thames Street	1556	.0561	87	7.63
Marlborough Street	2272	.0561	128	11.22
Carroll Avenue, Thames Street to Bateman Avenue	4915	.0467	230	20 16
Around Grass Plat, Carroll Avenue near Bateman Avenue	111	.0467	5	.44
Old Fort Road, Carroll Avenue Southwest, 200 feet	556	.0467	26	2.88
	25663		1177	$103.18

Cost per gallon applied, $0.08766

Average Cost per square yard, $.004

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FIFTH CAR OF DUSTOLINE

Fourth Application, July 31, August 4, 1914

Street or Avenue	Sq. Yds.	Average Gal. per Sq. Yd.	Gals. Used	Total Cost
Poplar Street, Thames Street to Third Street	2100	.0409	86	$7.54
Catherine Street, Bellevue Avenue to Brinley Street	660	.0439	29	2.54
	2760		115	$10.08

Cost per gallon applied, $0.08766

Average Cost per square yard $0.0036

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[illegible]

[illegible] December 31, 1914

[illegible]	[illegible]	Average Cost per Yard	[illegible]	Total Cost
[illegible]	2,477	[illegible]	[illegible]	$1,[illegible]
[illegible]	4,840	[illegible]	[illegible]	2,[illegible]
[illegible]	[illegible]		[illegible]	$2,[illegible]

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SIXTH CAR OF DUSTOLINE

Second Application, September 21, 22, 23, 1914

Street or Avenue	Sq. Yds.	Average Gal. per Sq. Yd.	Gals. Used	Total Cost
Maitland Court	618	.0563	35	$3.07
Sunshine Court	448	.0563	25	2.19
Gladding Court	250	.0563	14	1.23
Sanford Street	356	.0844	30	2.63
Charles Street, North Baptist Street to Marlborough Street	880	.0844	74	6.49
North Baptist Street	492	.0844	42	3.68
Meeting Street	650	.0844	55	4.82
Coddington Street	680	.0844	57	5.00
Cranston Avenue	2560	.0595	152	13.32
Friendship Place	486	.0335	16	1.40
Robinson Street	890	.0335	30	2.63
Hope Street	1102	.0335	37	3.24
Bateman Avenue, Carroll Avenue to Meikle Avenue	1467	.0494	72	6.31
	10879		639	$56.01

Cost per gallon applied, $0.08766

Average Cost per square yard, $0.0052

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SIXTH CAR OF DUSTOLINE

Third Application, September 21, 22, 24, 1914

Street or Avenue	Sq. Yds.	Average Gal. per Sq. Yd.	Gals. Used	Total Cost
Bridge Street	2639	0508	134	$11 75
To [illegible] Manhattan Street to Greenpoint Street	9636	0319	304	26 65
New York Avenue Farrell Street to the Harbor	4333	0319	138	12 10
[illegible] Street	2396	0319	76	6 66
Battery Street	1188	0319	38	3 33
[illegible] Street	748	0770	58	5 08
[illegible] Street	6308	0663	358	31 38
[illegible] Place	500	0663	33	2 89
[illegible] Street	1120	0663	64	5 61
[illegible] Court	400	0663	28	2 46
Washington Street Battery Street to Railroad Tracks	6634	0424	270	24 10
Washington Street Battery Street South	232	0428	9	79
Wood Street	3006	0433	80	7 80
Waldo Street	1968	0433	83	7 28
Ohio Street	220	0433	10	88

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SIXTH CAR OF DUSTOLINE

Third Application, September 21, 22, 23, 1914

Street or Avenue	Sq. Yds.	Average Gal. per Sq. Yd.	Gals. Used	Total Cost
Sherman Street	1377	.0630	87	$7.63
High Street	818	.0630	52	4.56
School Street	1074	.0630	68	5.96
Mary Street, Spring Street to Touro Street	1138	.0630	72	6.31
Pine Street	1384	.0369	51	4.47
Marsh Street	3717	.0369	138	12.10
Elm Street	2416	.0369	89	7.80
West Marlborough Street	2123	.0595	126	11.05
Rhode Island Avenue, Broadway to Kay Street	3360	.0335	113	9.91
Powel Avenue	4470	.0335	150	13.15
Friendship Street	3724	.0335	125	10.96
Bradford Avenue	1116	.0335	37	3.24
Whitehall Street	760	.0335	26	2.28
Bliss Road	7157	.0535	383	33.57
Gibbs Avenue, Bliss Road to Kay Street	3251	.0535	174	15.25

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[illegible]

[illegible] September 21, 22, 23, 1914

[illegible]	Sq. Yds	Average Gal. per Sq. Yd.	Gals. Used	Total Cost
[illegible]	4223	0494	209	$18.82
[illegible]	16789	0664	567	48.83
[illegible]	7327	0182	134	11.75
[illegible]	2000	0182	37	3.24
[illegible]	17490	0182	319	27.96
	124051		4045	$407.19

[illegible]

[illegible]

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SIXTH CAR OF DUSTOLINE

Fourth Application, September 21, 22, 23, 1914

Street or Avenue	Sq. Yds.	Average Gal. per Sq. Yd.	Gals Used	Total Cost
Thames Street, Bridge Street to Poplar Street	800	.0508	41	$3.59
Farewell Street, Broadway to Van Zandt Avenue	7529	.0508	382	33.49
Washington Square	4333	.0770	334	29.28
Braman's Court	591	.0770	46	4.03
Touro Street, Thames Street to Spring Street	1556	.0770	120	10.52
Marlborough Street	2272	.0861	196	17.18
Branch Street	212	.0861	18	1.58
West Broadway	3981	.0861	343	30.07
Tilley Avenue	1572	.0595	94	8.24
Gould Street	1927	.0595	115	10.08
Congdon Avenue	1179	.0595	70	6.13
Gardner Street	682	.0335	23	2.02
Carroll Avenue, Thames Street to Bateman Avenue	4915	.0494	243	21.30
Around Grass Plat, Carroll Avenue near Bateman Avenue	111	.0494	5	.44
Old Fort Road, Carroll Avenue Southwest, 200 feet	556	.0494	28	2.46
Catherine Street, Rhode Island Avenue to Brinley Street	3000	.0182	55	4.82
	35216		2113	$185.23

Cost per gallon applied, $0.08766

Cost per sq. yd., average, $0.0053

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[illegible]

[illegible]

[illegible]	[illegible]	Average Cost per Yd.	Cubic Yards	Total Cost
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

[illegible]

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Crushed Stone

Being minus a quarry, this department was obliged to purchase crushed stone again this year. The lowest bidder was Mr. James J. Dugan, who furnished the stone at the price of $1.35 per ton, delivered on the work. Mr. Dugan also furnished crushed stone, not delivered, at the rate of $1.10 per ton.

Statement of Crushed Stone Purchased of James J. Dugan During the Municipal Year 1914

	Not Delivered.		Delivered.	
	Tons	lbs.	Tons	lbs.
Repairs				
Bellevue Avenue			3	440
Bellevue Avenue (Asphalt)	19	170		
Bridge Street			15	1750
Broadway (Newport & Prov. Ry. Co.)			10	480
Carroll Avenue	20	970	6	70
Coggeshall Avenue			46	1520
General Repairs Sidewalks	5	400	3	590
General Repairs Streets	390	930	153	1300
Harrison Avenue			111	440
Morton Avenue	10	1880	41	1770
Ocean Avenue	9	240	228	520
Ridge Road			25	70
Thames Street (Upper)	3	390		
Touro Street (Lower)	2	1660		
Touro Street (Upper)	4	1110		
Washington Square	29	1050		
Wellington Avenue			399	210
Whitfield Court	2	1410		
Remacadamize				
Brinley Street			189	1760
Callender Avenue			218	1770
Carroll Avenue			798	1020
Halsey Street			211	880
Kay Street			552	1280
Marlborough Street			289	730
Morton Avenue			532	1880
Mount Vernon Street			315	1730
North Baptist Street			58	1100
Ochre Point Avenue			569	660
Poplar Street			222	920

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	Not Delivered Tons	Not Delivered lbs.	Delivered Tons	Delivered lbs.
Remacadamize:				
Prospect Hill Street			97	680
Stanton Street			[illegible]	1500
Sherman Avenue			742	1550
Sherman Street			139	360
Washington Street			182	900
[illegible]				
[illegible] Street			[illegible]	70
[illegible] Road			[illegible]	1970
[illegible]				
[illegible] Street			[illegible]	[illegible]
[illegible]			[illegible]	[illegible]
[illegible] Street			[illegible]	[illegible]
[illegible] Street			[illegible]	[illegible]
[illegible]			[illegible]	[illegible]
[illegible]				
[illegible]			[illegible]	[illegible]
[illegible]				
[illegible]			[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]			[illegible]	[illegible]
[illegible]			[illegible]	[illegible]
[illegible]				
[illegible]		[illegible]		
[illegible]				
[illegible]	[illegible]	[illegible]		
[illegible]		[illegible]		
[illegible]	[illegible]	[illegible]		
[illegible]		[illegible]		
	[illegible]	[illegible]	[illegible]	[illegible]

[illegible]

[illegible]

This department is somewhat handicapped by insufficient equipment in the line of rollers for street work. The season is short and when you deduct Sundays and holidays, each roller does not average much over 200 days on the work. Also, when you take into consideration the vast amount of roadbeds which should be reconstructed or repaired, it is clearly evident that our plant should be increased by the purchase of one or more Steam Rollers.

At this time, I might also add that we should have two more asphalt heaters of 500 gallons capacity, with which we could make much more rapid progress with the work in the construction of Asphalt Macadam.

A Scarifier is much needed for preparing roadbeds for macadam, and with which the work can be done more speedily and at less expense.

Permanent Pavements

Repairs have been made to the pavements of both Broadway and Spring Street by simply filling the holes with crushed stone. This is rather a crude method of repair, but the pavements, which were laid in 1903, are now in such deplorable condition that it seems like wasting money to repair otherwise. These two roadbeds should receive a new kind of pavement.

I do not deem it wise to replace the pavements of Broadway and Spring Street with any kind of pavement that will require a concrete foundation, because at the present time, we have good crushed stone foundations, six inches deep, in both streets.

I would recommend, therefore, that the top surface of both roadbeds be removed and construct thereon an asphalt macadam roadbed, double coat work, similar to that built on outer Third Street.

I would also recommend that the asphalt macadam on Broadway be continued down Washington Square to Thames Street.

This method of construction would cost approximately one-third less than any other pavement, and I am quite sure it would resist heavy as well as light traffic.

Bellevue Avenue Asphalt Macadam

An Asphalt Macadam roadbed was laid on the lower end of Bellevue Avenue, from the Turn to Bailey's Beach, a distance of 1279 feet, containing 4254 square yards, averaging about 57½ cents per square yard.

Appropriation, $2,500.00; Expenditure, $2,448.55; Balance, $51.45.

Bellevue Avenue has now received an asphalt macadam roadbed for its entire length.

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The following streets were repaired with the material taken from the roadbed of Lower Belleevue Avenue, viz.:

Wheatland Avenue, Frank Street, Prospect Hill Street and Maher Court.

Belleevue Avenue Top Finish

A tar-mastic or sealing coat was laid on Belleevue Avenue, from Bowery Street to the Turn, a distance of 4,365 feet, containing 2[illegible],[illegible] square yards, at an expense of [illegible] cents per square yard.

Appropriation, $[illegible] Expenditure, $[illegible] Balance, $[illegible]

It was the intention of the department to also treat the upper part of the avenue from Bowery Street to Kay Street, but owing to the congested traffic of this thoroughfare it was impossible to perform the work while the other part was treated. Later when the department had completed other work necessary it was unmanageable weather to do the work. This part of the roadbed should be treated early next year, as the condition of the avenue from the Turn to [illegible] Beach. [illegible] the roadbed between Bowery Street and [illegible] Street is [illegible] that certain parts of it will [illegible] treated with a tar dressing.

Brooklyn Avenue Macadam

[illegible] roadbed from [illegible] improvement [illegible] principal [illegible]

[illegible] the roadbed [illegible] horse railway [illegible] the rails to [illegible] the work [illegible] of the [illegible]

[illegible] the roadbed [illegible] the [illegible]

[illegible]

[illegible]

[illegible]

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416.83 cu. yds. Trap Rock	854 31
Fuel	126 75
Lumber, nails, etc.	6 27
Kerosene	18 70
New Tools	122 48
Tool Repairs	63 35
Roller Account	339 19
Stable Account	100 34
	$14400 64

The following streets were repaired with material taken from the roadbed of Broadway, viz: Girard Avenue; Vicksburg Place; Thurston Avenue; Bedlow Avenue; Malbone Avenue; Kay Street Boulevard; Pearl Street; Hall Avenue; Narragansett Avenue; Cotton's Court.

Third Street Improvement

The improvement of this thoroughfare from Cypress Street to Training Station Road was one of, if not the largest and most complicated job ever undertaken by this department. The completion of the same was a success both in construction and financially.

The U. S. Government conveyed to the City of Newport, subject to certain conditions, a strip of land, 19 feet wide and 1,130.4 feet in length, on the East side of the Naval Hospital Lands.

The City purchased of Ellen B. Huntington, upon recommendation of your sub-committee on Highways, a strip of land, 19 feet in width and 1,064.5 feet in length, on the East side of her estate, for the sum of $5,000.00. This completed the widening of the street as only these two estates bordered the west side. Later, Mrs. Huntington gave free gratis to the City, a piece of land at the corner of Training Station Road and Third Street to make the turn at this point safe for public travel.

The Newport and Providence Railway Company paid for part cost of construction of roadbed, 18 inches outside of west rail, and cost of laying granite gutter, 18 inches outside of east rail, from Cypress Street—north, for a distance of about 176 feet, which amount was deposited with the City Treasurer to the credit of the appropriation.

I have divided the improvement of this street into several subdivisions and give you a brief sketch of each, viz:

Grading

The grading of the roadbed was quite a problem to solve, as some parts of the road had to be filled up from a depth of 22 inches, and many loads of rubble stone and dirt were used.

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Granite Curb

A granite curb and gutter was laid on the west side for its entire length. The material in excavating was used to grade up the roadbed. In accordance with a resolution passed by your Honorable Body, a granite curb was laid on the east side from Cypress Street north, for a distance of 176 feet.

Driveways

On the west side, four driveways were built to accommodate the Naval Hospital, the U. S. Government constructing granolithic turns at their own expense.

Tree Removal

Several trees were cut down and removed from that part of the land, thrown out by the U. S. Government for widening the street.

Asphalt Macadam

The roadbed was constructed for a depth of [illegible] to [illegible] inches, and built of Asphalt Macadam. It is constructed with a double coat of Asphalt and Crushed Stone and I consider it to be the best built roadbed in the City. However, the surface should be treated with a top [illegible] next year to insure its life, and after such treatment the roadbed should last for many years without needing any repairs. Average cost per square yard, $[illegible].

Granolithic Sidewalks

A Granolithic Sidewalk about [illegible] feet [illegible] inches wide was laid on the west side of the street for [illegible] length. The excavating and filling was done by the employees of this department, and the Granolithic work under contract with Mr. [illegible] A. Sidney. This walk makes an [illegible] which is greatly [illegible] to the public and the officers and students of the Training Station.

Sidewalk, East Side

[illegible] were placed on the east side [illegible] below the wall remaining.

Railway Tracks

The [illegible] Railway Company were [illegible] the grade of the [illegible]

[illegible] the Asphalt [illegible] for building the [illegible] the east rail. These [illegible] to the credit of the [illegible]

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Conclusion

In conclusion, will say that the City has an excellent improved highway, and at a much lower expense than was anticipated.

Appropriation including deposit, $30,284.50; Expenditure, $23,069.47; Balance, $7,215.03.

The expenditure of each sub-division is as follows, viz:

Proving and Certifying Bonds	$110 00
Land Damages, Ellen B. Huntington	5000 00
Grading Roadbed	1388 67
Granite Curb and Cutter	5031 69
Tree Removal	363 14
Asphalt Macadam Roadbed	7970 53
Granolithic Sidewalk	2917 32
Driveways	276 55
Sidewalk, East side, (Gravel)	11 57
Total Cost	$23069 47

Third Street Sewage System

To make the improvement of Third Street practical, the U. S. Government agreed to allow the City of Newport to make sewer connection with their sewage system, located through the land of the U. S. Hospital Reservation, to, and into the harbor, providing the City of Newport would reimburse the U. S. Government for the expense of increasing the sizes of drains from 8 inch to 12 inch vitrified pipe, and replacing sewer outlet in harbor with a 16 inch heavy cast iron pipe, to be laid for a distance of 320 feet into the waters of Narragansett Bay, to a depth of 14 feet of water.

The proposition was accepted and carried out as agreed; the City re-imbursed the U. S. Government to the amount of $3,330.49, made in two payments of $2,743.42 and $587.07. Sewers were laid in Third Street both ways, north and south, from a point at the junction of the U. S. Hospital and Huntington lands, where connection was made with the Sewage System of the U. S. Government. All of the property in this vicinity can now be properly drained.

Appropriation less transfers, $6,500.00; Expenditure, $5,576.82; Balance, $1,923.18.

Second Ward Sewage System

This system has been in operation for three years, and up to the present time it has given entire satisfaction. Sixty-three sewer connections have been made to this system to date.

On October 13th, Messrs. Scannevin & Potter made a thorough inspection of the electric pumps, etc., and they reported that the

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apparatus was in an excellent condition. During the year, the electric power has cost $809.25, with an increase of $188.99 more than last year. Chief Foreman Burdick visits the plant daily to inspect the pumps, etc.

Appropriation, $1000.00; Expenditure, $842.51; Balance, $157.49.

Casey Court Sewage System

Again this year, the department was unable to install this Sewage System because proper releases and property rights have not been conveyed to the City.

Farewell Street Sewer

A sewer was laid in Farewell Street, from Van Zandt Avenue—north, continuing down a court off of Farewell Street, a total length of 346 feet. This sewer was a very deep cut, being about 16 feet deep at Van Zandt Avenue. The sewer was laid at a cost of $651.67.

Bowser Court Sewer

A sewer was laid in Bowser Court, off of Kingston Avenue, at an expense of $82.37.

Marin Street Sewer

A sewer was laid in Marin Street at an expense of $364.41.

Halidon-Harrison Avenue Sewer

A 10 inch sewer was laid in Halidon Avenue and extended in Harrison Avenue, from Halidon Avenue—west, to a point as far as the finances would allow. In constructing this sewer, especially in Harrison Avenue, very hard rock was encountered to a depth of 7 feet. Blasting had to be resorted to, but even then with very little headway. This kind of work uses up the money very rapidly.

Appropriation, $1,650.00; Expenditure, $1,357.14; Balance, $292.86.

King Street Sewer

An 8 inch sewer was laid in this street by connecting with the Bowery Street Sewer at a point about 773 feet from King Street. Rock was also encountered in the laying of this sewer, and some blasting had to be done. To finish the work, I was obliged to take a small amount from the appropriation for Emergency Sewers.

Appropriation, $1,200.00, plus amount from Emergency Sewers Account, $19.23, making the total cost of the sewer, $1,219.23.

South Mayd Street Sewer

The sewer was extended in this street for a distance of 94 feet, at an expense of $141.06.

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Appropriation, $200.00; Balance, $58.94.

Gibbs Avenue Sewer

A sewer was laid in Gibbs Avenue, from Water Works Road—south, for a distance of 82 feet, at an expense of $96.10.

Appropriation, $100.00; Balance, $3.90.

Vaughan Avenue

This avenue was turnpiked, macadamized, and sidewalks graded, at an expense of $1,394.94.

Appropriation, $1,875.00; Balance, $480.06.

Evarts Street

Evarts Street, from Hall Avenue to Halsey Street, was macadamized at an expense of $509.84.

Appropriation, $1,334.00; Balance, $824.16.

Sylvan Street

The roadbed of this street was turnpiked and macadamized at an expense of $658.25.

Appropriation, $1,473.00; Balance, $814.75.

Van Zandt Avenue

A granite curb and gutter was laid on the north side of Van Zandt Avenue, from Second Street to the Water Front, at an expense of $681.71.

Appropriation, $1,000.00; Balance, $318.29

Marchant Street

A granite curb and gutter was laid on the east side of Marchant Street, from Harrison Avenue to Eastnor Road, at an expense of $524.05.

Appropriation, $525.00; Balance, 95 cents.

Peckham Avenue

This new street was turnpiked, macadamized, sidewalks graded, and a crossing laid at Broadway. By using the top material from the Broadway roadbed, this department was able to perform the work at a much lower cost than was anticipated. A top dressing of crushed stone was rolled into the roadbed, and Peckham Avenue now possesses one of the best built streets in the City.

Appropriation, $2,175.00; Expenditure, $1,355.07; Balance, $819.93.

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Freebody, East Bowery and Bellevue Avenue

A granite curb and gutter was laid around the old Ocean House Site, which greatly improves this locality, not only to the eye, but is much safer for public travel. Total cost of this was $2,296.04.

Appropriation, $2,844.00; Balance, $547.96.

Five hundred dollars of this balance was transferred to an appropriation for laying Granolithic Sidewalks in State Street and John Street, leaving a net balance of $47.96.

Whitfield Court

A granite curb and gutter was laid on the east side of Whitfield Court at an expense of $650.20. Appropriation, $800.00; Balance, $149.80.

Granolithic Sidewalks

Granolithic sidewalks were laid in the several wards in accordance with the list prepared by your committee. Later, when it was found that there were certain balances available, additional sidewalks were authorized by your Honorable Body.

All excavating and filling was performed by employees of this department, and the granolithic was laid under contract with Mr. Hector M. Henery, the original list of sidewalks at 97 cents per square yard, and the additional sidewalks at $1.04 per square yard. We laid this year 2.96 miles of sidewalks; this includes, of course, the Third Street sidewalk, which is nearly one-half mile in length.

The following table will give you full details, viz.:

Granolithic Sidewalks

FIRST WARD

Street or Avenue	Length feet	Sq. Yds.	Cost
Chestnut Street, North side.....	527.8	346.8	$681.27
Third Street, East side, Maitland Court to Van Zandt Avenue, West side, Van Zandt Avenue to Cypress Street.....	536.9	439.7	694.59
Van Zandt Avenue, North side, Second Street to water front.....	356.3	261.2	412.11
Van Zandt Avenue, North side, Second Street to Third Street.....	201.5	161.5	282.79
Washington Street, West side, Chestnut Street north.....	652.1	479.0	783.72
	2274.6	1688.2	$2854.48

Appropriation, $3000.00; Expenditure, $2854.48; Balance, $145.52.

Average cost per square yard, $1.69.

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SECOND WARD

Street or Avenue	Length feet	Sq. Yds.	Cost
Broadway, East side, Mann Avenue to Everett Street	527.2	471.0	$1088.48
Cranston Avenue, North side, Broadway to Kay Street	1047.1	759.3	1349.47
Summer Street, South side, Broadway to Malbone Avenue (4 ft. wide)	551.0	245.0	561 33
	2125.3	1475.3	$2999.28

Appropriation, $3000.00; Expenditure, $2999.28; Balance, 72 cents.

Average cost per square yard, $2.03.

THIRD WARD

Street or Avenue	Length feet	Sq. Yds.	Cost
Ayrault Street, East side, Francis Street to Everett Court	300.6	204.0	$411.98
Barney Street, North side, Spring Street to Mount Vernon Street	702.8	296.0	590.48
Bull Street, South side, Seabury Estate to Spring Street	194.2	154.7	189.96
Corné Street, East side, Mill Street south	116.4	56.5	100.05
Farewell Street, East side, Marlborough Street to Broadway	206.9	124.8	220.03
Green Street, North and South sides, where needed	640.2	219.8	377.51
Pelham Street, South side, Bellevue Avenue to Channing Church	333.1	225.6	437.31
Prospect Hill Street, North side, Thames to Spring Street	520.2	251.5	362.15
	3014.4	1532.9	$2689.47

Appropriation, $3000.00; Expenditure, $2689.47; Balance, $310.53.

Average cost per square yard, $1.76.

FOURTH WARD

Street or Avenue	Length feet	Sq. Yds.	Cost
Annandale Road, West Side, Bath Road to Merton Road, East side, Merton Road to Dresser Street, (4 ft. wide)	711.0	367.0	$749.15

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Bellevue Avenue, East side, East Bowery Street to Brewster Court....	265.0	277.5	$483.74
Golden Hill Street, North side	561.0	328.7	637.71
Levin Street, North side, Spring Street east.....	1105.8	523.3	1023.47
	2642.8	1496.5	$2894.07

Appropriation, $3000.00; Expenditure, $2894.07; Balance, $155.93.
Average cost per square yard, $1.93.

Fifth Ward

Street or Avenue	Length feet	Sq. Yds.	Cost
Bacheller Street, North side, Byrnes Street, east.....	73.2	48.0	$95.89
Holland Street, North side.....	605.1	323.4	554.31
Morton Avenue, North side, (4 ft. wide)	911.5	405.1	947.42
West Narragansett Avenue, South side, Thames to Marchant Street, (full width), South side, Marchant Street to Roseneath Avenue, (4 ft. wide).....	1199.4	636.2	1208.29
	2789.2	1412.7	$2805.91

Appropriation, $3000.00; Expenditure, $2805.91; Balance, $194.09.
Average cost per square yard, $1.98.

Summary Granolithic Sidewalks

	Appropriation	Expenditure	Balance
First Ward....	$3000 00	$2854.48	$145.52
Second Ward..... ...	3000.00	2999.28	.72
Third Ward.....	3000.00	2689.47	310.53
Fourth Ward.....	3000.00	2894.07	105.93
Fifth Ward.....	3000.00	2805.91	194.09
	$15000.00	$14243.21	$756.79

Average cost per square yard, $1.87.

John and State Streets Granolithic Sidewalks

	Length feet	Sq. Yds.	Cost
John Street (Gilpin Estate).	95.0	51.2	$73.49
State Street, East side, Old Beach Road south	328.9	191.1	418.49
	423.9	242.3	$491.98

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Appropriation, Transferred from Bellevue, East Bowery and Freebody Street Curb, $500.00; Expenditure, $491.98; Balance, $8.14.

Average cost per square yard, $2.03.

Broadway Granolithic Sidewalks

	Length feet	Sq. Yds.	Cost
Broadway, East side, Spring Street to Stone Street.....	237.3	326.3	$390.49

Special Appropriation. $500.00; Expenditure, $390.49; Balance, $109.51.

Average cost per square yard, $1.20.

Bridge Repairs

Repairs were made to Van Zandt Avenue and Girard Avenue bridges. I would recommend that the Van Zandt Avenue bridge receive a thorough inspection by some expert, as I consider this bridge to be getting dangerous. Appropriation, $500.00; Expenditure, $36.68. Balance, $463.32.

Bathing Beaches

EASTON'S BEACH

A man is kept at work in this locality during the summer months to clean the roadbed, mow grass plats, etc. The iron fence was also scraped and painted.

Battery Park

The Bath Houses at this beach were repaired under contract with Messrs. Thomas Moon & Son, for the sum of One hundred dollars. Appropriation for Bathing Beaches, $500.00; Expenditure, $460.01. Balance, $39.99.

Easton's Beach Granolithic Sidewalk

An extra appropriation was made to build a granolithic sidewalk to replace the asphalt block sidewalk, which was badly damaged by the heavy surf, during a very severe storm. Employees of this department removed the blocks, etc., and the granolithic was laid under contract with Mr. Alexander J. Fludder, at $1.24 per square yard. Appropriation, $600.00 plus receipts for sale of asphalt blocks, $28.30, making a total of $628.30; Expenditure, $553.27. Balance, $75.03.

Forty Steps

The iron work at the Forty Steps was scraped and painted at an expense of $21.50. Appropriation, $50.00. Balance, $28.50.

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City Piers

Ann Street Pier

A few repars were made to this pier at an expense of $5.29.

Van Zandt Avenue Pier

This pier was widened and repaired this year under contract with Mr. J. K. Sullivan, for the sum of $845.00. Other repairs by the department amounted to $3.59. Total, $848.59.

Elm Street Pier

Repairs were made at this pier at an expense of $202.40. Appropriation for City Piers, $1,500.00; Expenditure, $1,056.28. Balance, $443.72.

Briggs Wharf Wall

The east end of the South wall was relaid and repaired under contract with Mr. J. K. Sullivan, the lowest bidder, for the sum of $3,940.00.

Sea Walls

Ocean Avenue

The Sea Wall on Ocean Avenue at a point opposite the estate of Mr. T. M. Davis, and also part of the Sea Wall near Graves Point was rebuilt and repaired under contract with Mr. Thomas Maguire, for the sum of $468.00. The Sea Wall, opposite the estate of Mr. J. K. Sullivan on Ocean Avenue, has been damaged by the surf, during a heavy storm; about 125 feet of the wall is destroyed, and I would recommend that the wall be rip rapped, when it is rebuilt. The work should be done with as little delay as possible.

Easton's Beach

The Sea Wall at Easton's Beach, which was badly damaged in a heavy storm, was rebuilt and the iron fence repaired under contract with Mr. Thomas Maguire, for the sum of $489.00.

Trap Rock

Two barges of ⅝-inch Trap Rock, containing 1,434 cu. yds., were purchased this year from the Haverstraw Crushed Stone Company, of New York, N. Y., at $1.75 per cu. yd. The stone was discharged under contract with Mr. J. K. Sullivan.

This Trap Rock is the ideal material for top dressing the Asphalt Macadam and macadam, it being of such a flinty nature.

City Fountains

Employees of the department occasionally cleaned the animal drinking fountains, also disinfecting the water by placing stick sulphur

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in the bowls. A new bubble fountain was placed at Easton's Beach.

The following fountains were repaired, viz:

Broadway	$7.55
Easton's Beach	26.85
Touro Park West	3.05
Washington Square	12.00
West Broadway	9.10
Cleaning	30.70
	$89.25

Appropriation, $150.00; Expenditure, $89.25. Balance, $60.75.

Tree Removal

As the State of Rhode Island did not send the apparatus to Newport, this year, our trees were not sprayed.

The following trees were trimmed and removed at an expense of $328.60. Appropriation, $600.00. Balance, $271.40.

Trees Removed:

- Berkeley Avenue
- Braman's Court
- Cottage Street
- Friendship Street
- Park Street
- Roseneath Avenue
- Russell Ave. & Peckham Ave.
- Sycamore Street (Stump)
- Warner Street
- Summer Street

Trees Trimmed:

- Ayrault Street
- Berkeley Avenue
- Broadway
- Farewell Street
- Friendship Street
- Mann Avenue

City Wharf

A wharfinger is employed at City Wharf, who also does all the weighing and some office work. Other items also come under this head.

Appropriation, $900; Expenditure, $885.96; Balance, $14.04.

City Floats

The floats, located at Long Wharf, were repaired and painted this year at an expense of $44; Appropriation, $100; Balance, $56.

City Brows

The City Brows, located at Willow and Elm Streets, were repaired at an expense of $42.81; Appropriation, $100; Balance, $57.19.

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Railroad Crossings

Lumber was furnished to the N. Y., N. H. & H. R. R. Co. for making repairs at the railway crossings at Poplar Street and Elm Street. Appropriation, $50; Expenditure, $45.43; Balance, $4.57.

Recommendations of Street Commissioner

Replace old buildings at City Wharf with a substantial brick building.

Purchase of Two Steel Carts for Cleaning Catch Basins, replace worn-out carts.

One Double and Two Single Watering Carts to replace worn-out carts.

Ammonia Steam Roller.

Two ammonia Asphalt Heaters of 500 gallon capacity.

A Scarifier for preparing roads for repair or new work.

That Broadway, Spring Street and Washington Square receive an Asphalt Macadam Roadbed similar to that laid on outer Third Street.

That all the Asphalt Macadam Roadbeds receive a Top Finish of Asphalt and Trap Rock next season, to insure life of same.

That an expert examine Van Zandt Avenue Bridge.

Sewer Permits

During the year 171 permits to connect with sewers were issued, making a total to date of 4,196 since the system was adopted in 1884.

The number and description of premises connected were as follows, viz.:—

	Previously reported	1914	Total
Water Closets	4106	212	4318
Urinal Pipes	2290	276	2566
Sinks	4796	179	4974
Bath Tubs	2033	157	2190
Cellar Drains	1802	116	1918
Stores	821	160	981
Yard Drains	120	2	122
Sinks	1107	115	1222
Furnace Pipes	5		5
Stable Fixtures	64	3	67
Sewer Drain		1	1
Families Accommodated	4786	167	4952
Persons Accommodated	7142	601	7743

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New Sewers

Special Sewers:

Bowser Court, off of Kingston Ave...	67 ft. of 8 in. Vit. pipe
Farewell Street, Van Zandt Ave. north	346 ft. of 8 in. Vit. pipe
Gibbs Avenue, Water Works Rd. south	82 ft. of 8 in. Vit. pipe
Halidon-Harrison Avenue.....	800 ft. of 10 in. Vit. pipe
King Street, Bowery Street north....	773 ft. of 8 in. Vit. pipe
Marin Street.....	247 ft. of 8 in. Vit. pipe
Third Street, Cypress Street north...	2049 ft. of 8 in. Vit. pipe
South Mayd Street, extend.....	94 ft. of 8 in. Vit. pipe

Emergency Sewers:

Bliss Road, extend.....	8 ft. of 8 in. Vit. pipe
Broadway, Vernon Avenue north.....	674½ ft. of 8 in. Vit. pipe
Bush Street, extend.....	22 ft. of 8 in. Vit. pipe
Coggeshall Avenue, extend.....	60 ft. of 8 in. Vit. pipe
Cummings Road, extend.....	263 ft. of 8 in. Vit. pipe
Dartmouth Street, extend.....	18 ft. of 8 in. Vit. pipe
Eastnor Road, extend.....	64 ft. of 8 in. Vit. pipe
Farewell Street, Warner Street north	70 ft. of 8 in. Vit. pipe
Lee's Wharf, extend.....	50 ft. of 18 in. Vit. pipe
Prescott Hall Road, extend.....	94 ft. of 8 in. Vit. pipe
Water Works Road (Culvert).....	100 ft. of 18 in. Vit. pipe

Catch Basins Built

East Bowery Street at Freebody Street....	1
Peckham Avenue at Russell Avenue.....	1
Cypress Street at Third Street.....	1
Third Street opposite Dyre Street.....	1
	4

Eyeholes Built

East Bowery Street at Freebody Street.....	1
Cypress Street at Third Street, north side.....	1
Peckham Avenue at Russell Avenue, south side	1
Pine Street at Washington Street, south side.....	1
Russell Avenue at Peckham Avenue, east side.....	1
Russell Avenue at Peckham Avenue, west side.....	1
Third Street at Cypress Street, west side.....	1
Third Street opposite Dyre Street, west side.....	1
Washington Street at Pine Street, east side.....	1
Washington Street at Pine Street, west side.....	1
	10

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Sewers Repaired

Briggs Wharf
Catherine Street
Coggeshall Avenue
East Bowery Street
Lee's Wharf
Potter Street
Ruggles Avenue (outlet)
Sherman Street
Touro Street
Wellington Avenue (outlet)
Young Street

Culverts Repaired

Carroll Avenue at Harrison Avenue
Halidon Avenue
Hunter Avenue at Champlin Street
Ocean Avenue at Carroll Avenue
Water Works Road

Manholes Repaired

Broadway
Bridge Street at Second Street
Harrison Avenue at Carroll Avenue
Mount Vernon Street

Catch Basins Repaired

Bellevue Avenue
Edgar Court
Ha.. Avenue at Channing Street
Levin Street at Spring Street
Marchant Street
Prospect Hi. Street at Spring Street
Rosenfeld Avenue
Warner Street at Gould Street

Eyeholes Repaired

Annandale Road
Annandale Road at Merton Road
Bellevue Avenue
Everett Street at Kay Street
Harrison Avenue

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Howard Street at Spring Street
Levin Street at Spring Street
Lucas Avenue
Marchant Street
Roseneath Avenue
Shepard Avenue
Tew's Court

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PERMITS FOR STREET AND SIDEWALK OPENINGS, ETC.

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Totals
Laying Gas Services	11	5	2	13	8	12	16	32	14	16	6	6	141
Laying Gas Mains					1			1	2	1			5
Extending Gas Mains				1				1					2
Repairing Gas Mains				2	1	2							5
Repairing Gas Services	1	1			1	1					1		5
Placing Gas Lamps			2			1	1						4
Changing Location of Gas Lamps				1	1						1		3
Repairing Gas Lamps						2	1			1	2		6
Removing Gas Lamps											1		1
Installing Artistic Lamps							1						1
Electric Conduits	2				3	2		2	4	2	2		17
Connecting Waste from Electric Conduit					1								1
Telephone Conduits						2							2
Repairing Street Railway Tracks	1			1			2	2					6
New Sewers										1			1
Clearing Drains	3	2	1	1	1		1					2	11
Repairing and Relaying Sewers	2			2	1	1		1	2		2	1	12
Laying Water Pipe	1		1	1									3
Installing Fountain								1					1
Laying Granolithic Sidewalk					3	2							5
Use of Sidewalk for Building	2	1	1		4	1	1	1	3	4		1	19
Replace Iron Doors in Sidewalk						1							1
Temporary Closing of Sidewalk to Protect Grass Plat	1												1

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PERMITS FOR STREET AND SIDEWALK OPENINGS, ETC.

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Totals
Temporary Fence to Protect Hedge									1				1
Trimming Trees										1			1
Remove and Replant Tree												1	1
Removing Dead Trees			1										1
Planting Shade Trees				2	2								4
Laying Driveways		1			2	2		1	1				7
Repairing Driveways							2						2
Installing Gutter Bridge					1			2					3
Installing Fire Alarm Test Box								1					1
Removing Gasoline Tank									1				1
Relay Granite Pavements at Tracks										2			2
Building Sea Wall										1			1
	24	10	8	24	30	29	25	45	28	29	15	11	278

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STREETS MACADAMIZED (NEW WORK)

Street or Avenue	Tons of Stone	Days Steam Roller	Av. Depth Work	Length Feet	Sq. Yds.	Cost per Sq. Yd.	Cost Macadam	Cost Turnpike	Total Cost
Fowler Street, Hall Avenue to Hallway Street	237	11	5 in.	430	1146	.448	$500.34	$ 9.50	$509.84
Fairmount Avenue	276	17 4	4 in.	726	2097	.378	793.51	464.16	1257.67
Cypress Street	308	10	6 in.	624	1595	.360	575.00	83.25	658.25
Vaughan Avenue	702	18	7 in.	840	2240	.536	1199.77	163.00	1362.77
	1523	56 4		2620	7078		$3068.62	$719.91	$3788.53

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STREETS RE-MACADAMIZED

Street or Avenue	Tons Crushed Stone	Days Steam Roller	Avg. Depth Work	Length Feet	Sq. Yds.	Cost per Sq. Yd.	Total Cost
Brinley Street	190	11	4 in.	743	1238	.320	$396.17
Callender Avenue	219	11	6 in.	916	1221	.338	412.77
Carroll Avenue, Thames Street to Harrison Avenue	799	23	8 in.	983	4915	.294	1445.53
Halsey Street	211	7–4	4 in.	669	1561	.257	401.48
Kay Street, Touro Street to Everett Street	553	25	3 in.	1950	4655	.225	1047.82
Marlborough Street	289	15	3 in.	806	1970	.298	587.54
Mount Vernon Street, Mann Avenue—South	315	16	5 in.	833	1633	.377	615.90
Morton Avenue	533	15	6 in.	993	3862	.240	927.69
North Baptist Street	59	3	4 in.	290	451	.263	119.64
Ochre Point Avenue, LeRoy Avenue to Ruggles Avenue	569	22	5 in.	1650	5316	.201	1067.97
Poplar Street, Thames Street to Third Street	222	9	5 in.	842	1497	.285	426.79
Prospect Hill Street, Thames to Spring Street	97	4	4 in.	450	500	.422	211.10
Sanford Street	40	2	4 in.	178	198	.410	81.29
Sherman Street, Mount Vernon to Spring Street	130	6–4	4 in.	647	827	.365	302.26
Shepard Avenue, Ochre Point to Bellevue Avenue	749	26–4	5 in.	2040	4893	.326	1593.00
Washington Street, Bridge Street—South	189	9	4 in.	432	1008	.375	378.03
	5164	205–4		14422	35745		$10014.98

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STREETS MACADAMIZED (NEW WORK)

Street or Avenue	Tons Cr Stone	Days Steam Roller	Av. Depth Work	Length Feet	Sq. Yds.	Cost per Sq. Yd.	Cost Macadam	Cost Turnpike	Total Cost
Evarts Street, Hall Avenue to Halsey Street	237	11	5 in.	430	1146	.448	$500.34	$ 9.50	$509.84
Peckham Avenue	276	17-4	4 in.	726	2097	.378	793.51	464.16	1257.67
Sylvan Street	308	10	6 in.	624	1595	.360	575.00	83.25	658.25
Vaughan Avenue	702	18	7 in.	840	2240	.536	1199.77	163.00	1362.77
	1523	56-4		2620	7078		$3068.62	$719.91	$3788.53

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STREETS RE-MACADAMIZED

Street or Avenue	Tons Crushed Stone	Days Steam Roller	Avg. Depth Work	Length Feet	Sq. Yds.	Cost per Sq. Yd.	Total Cost
Brinley Street	190	11	4 in.	743	1238	.320	$396.17
Callender Avenue	219	11	6 in.	916	1221	.338	412.77
Carroll Avenue, Thames Street to Harrison Avenue	799	23	8 in.	983	4915	.294	1445.53
Halsey Street	211	7–4	4 in.	669	1561	.257	401.48
Kay Street, Touro Street to Everett Street	553	25	3 in.	1950	4655	.225	1047.82
Marlborough Street	289	15	3 in.	806	1970	.298	587.54
Mount Vernon Street, Mann Avenue—South	315	16	5 in.	833	1633	.377	615.90
Morton Avenue	533	15	6 in.	993	3862	.240	927.69
North Baptist Street	59	3	4 in.	290	451	.263	119.64
Ochre Point Avenue, LeRoy Avenue to Ruggles Avenue	569	22	5 in.	1650	5316	.201	1067.97
Poplar Street, Thames Street to Third Street	222	9	5 in.	842	1497	.285	426.79
Prospect Hill Street, Thames to Spring Street	97	4	4 in.	450	500	.422	211.10
Sanford Street	40	2	4 in.	178	198	.410	81.29
Sherman Street, Mount Vernon to Spring Street	130	6–4	4 in.	647	827	.365	302.26
Shepard Avenue, Ochre Point to Bellevue Avenue	749	26–4	5 in.	2040	4893	.326	1593.00
Washington Street, Bridge Street—South	189	9	4 in.	432	1008	.375	378.03
	5164	205–4		14422	35745		$10014.98

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STREETS RE-SURFACED AND ROLLED

Street or Avenue	Tons Crushed Stone	Days Steam Roller	Length Feet	Sq. Yds.	Cost per Sq. Yd.	Total Cost
Catherine Street, Bellevue Avenue to Brinley ley Street..	27	3	385	556	.135	$ 74.78
Ledge Road, Bellevue Avenue—South.....	179	12	1182	3283	.122	400.12
	206	15	1567	3839	.124	$474.90

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ASPHALT MACADAM

Street or Avenue	Asphalt Gals.	Tons Cr Stone	Cu. Yds. Trap Rock	Days Steam Roller	Av. Depth Work	Length Feet	Sq. Yds.	Cost per Sq. Yd.	Total Cost
Bellevue Ave., Turn to Bailey's Beach.....	4836	709	67	20	4 in.	1279	4254	.575	$2448.55
Broadway, One Mile Corner to Lake's Corner..	33540	3842	417	98–4	4 in.	4734	21423	.672	14400.64
Cypress Street, Third Street, west.....	1508	252	23	8–4	6 in.	398	1194	.677	797.05
Third Street, Cypress St. to Training Station Road, Double Coat Work	16432	2686	97	82–4	12 in.	2280	6865	1.161	7970.53
	56316	7489	604	209–4		8691	33736		$25616.77

ASPHALT TOP FINISH

Bellevue Avenue, Bowery Street to Turn.....	9984	17	400	12		9387	29504	.105	$3092.80

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New Crossings

Bay Side Avenue at Van Zandt Avenue	25 ft. x 5 ft. 6 in.
Pine Street at Washington Street, west side	22 ft. x 8 ft.
Third Street at Walnut Street, south side	20 ft. x 8 ft.

Crossings Relaid and Repaired

Arnold Avenue	40 ft. x 6 ft.
Ayrault Street	15 ft. x 6 ft.
Ayrault Street	22 ft. x 6 ft.
Barney Street	6 ft. x 3 ft. 4 in.
Bartlett Court at Broadway	32 ft. x 8 ft.
Bridge Street at Third Street	22 ft. x 5 ft.
Brinley Street at Catherine Street	60 ft. x 10 ft.
Bay View Avenue at Broadway	50 ft. x 6 ft.
Byrnes Street at Bacheller Street	65 ft. x 2 ft.
Calvert Street at Broadway	62 ft. x 6 ft.
Catherine Street at Brinley Street	60 ft. x 6 ft.
Clinton Avenue at Broadway	42 ft. x 6 ft.
Corne Street at Pelham Street, north side	16 ft. x 8 ft.
Corne Street at Pelham Street, south side	30 ft. x 7 ft.
Corne Street at Butler Estate	16 ft. x 6 ft.
Cottage Street at Old Beach Road	27 ft. x 7 ft.
Cottage Street at Catherine Street	60 ft. x 6 ft.
Cranston Avenue at Broadway	50 ft. x 7 ft.
Cranston Avenue at Tyler Street	20 ft. x 6 ft.
Catherine Street at Elizabeth Street	20 ft. x 6 ft.
Duke Street at Washington Square	36 ft. x 7 ft.
Everett Street at Kay Street, east side	42 ft. x 10 ft.
Everett Street at Kay Street, west side	31 ft. x 6 ft.
Elm Street at Third Street, east side	21 ft. x 6 ft.
Elm Street at Third Street, west side	23 ft. x 6 ft.
Frank Street at Coddington School	50 ft. x 4 ft.
Long Wharf at Rousemainere Place	87 ft. x 4 ft.
Newport Avenue at Broadway	42 ft. x 6 ft.
Old Beach Road at Chapel Street	18 ft. x 5 ft. 6 in.
Park Street at Broadway	40 ft. x 6 ft.
Peckham Avenue at Broadway	26 ft. x 5 ft. 6 in.
Pelham Street at Spring Street, east side	27 ft. x 9 ft. 8 in.
Poplar Street at Third Street, east side	22 ft. x 6 ft.
Poplar Street at Third Street, west side	23 ft. x 6 ft.
River Lane at Farewell Street	14 ft. x 5 ft.
Summer Street at Broadway	60 ft. x 5 ft.
Third Street at Bridge Street, north side	18 ft. x 5 ft.
Third Street at Bridge Street, south side	24 ft. x 3 ft.

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Third Street at Elm Street	19 ft. x 5 ft.
Touro Park West at Pelham Street	24 ft. x 8 ft. 10 in.
Washington Street at Willow Street	23 ft. x 7 ft.
Whitfield Court at Touro Street	31 ft. x 11 ft.
Willow Street at Washington Street	22 ft. x 5 ft.

New Driveways Paved

Granite Blocks:

Broadway at Peckham Avenue	26 ft. x 3 ft. 6 in.
Kay Street at Kay Terrace	23 ft. x 2 ft.
Marin Street at Kay Street	20 ft. x 7 ft.
Third Street at U. S. Naval Hospital	39 ft. x 2 ft.
Third Street at "Hayes"	15 ft. x 2 ft. 6 in.

Driveways Re-laid

Bull Street at City Hall & Dr. Darrah's	39 ft. x 6 ft.
Mill Street at No. 1 Fire Station	24 ft. x 12 ft.

Driveways Closed with Curb

Bay View Avenue at Taggart Estate	29 ft.
Bay View Avenue at Taggart Estate	
Bellevue Avenue at Glynn's	30 ft.

New Granite Gutters

Bacheller Street	71 ft. x 2 ft.
Bellevue Avenue	280 ft. x 2 ft.
East Bowery Street	539 ft. x 2 ft.
Freebody Street	310 ft. x 2 ft.
Marchant Street	246 ft. x 2 ft.
Russell Avenue at Peckham Avenue	24 ft. x 2 ft.
Third Street, East Side	189 ft. x 2 ft. 4 in.
Third Street, West Side	2137 ft. x 2 ft.
Van Zandt Avenue	380 ft. x 2 ft.
Whitfield Court	343 ft. x 1 ft. 6 in.

New Double Gutters

Barney Street	6 ft. x 2 ft. 9 in.
Kay Terrace	24 ft. x 2 ft.
Van Zandt Avenue at Bay Side Avenue	30 ft. x 2 ft.

Gutters Re-Paved

Cobble:

Bay View Avenue at Taggart Estate	29 ft. x 2 ft.
Bellevue Avenue at Glynn's	30 ft. x 2 ft.
Elm Street at Third Street, East Side	39 ft. x 2 ft.

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Cobble:

Elm Street at Third Street, West Side	[illegible] ft. x 2 ft.
Poplar Street at Third Street, East Side	27 ft. x 2 ft.
Poplar Street at Third Street, West Side	26 ft. x 2 ft.
Washington Street at Willow St., East Side	28 ft. x 2 ft.

Double Gutters Re-Paved

Cobble:

Ball Street at City Hall	43 ft. x 2 ft.
Byrnes Street at Bacheller Street	65 ft. x 2 ft.
Corne Street at Pelham Street, North Side	33 ft. x 2 ft.
Corne Street at Pelham Street, South Side	35 ft. x 2 ft.
Elm Street at Third Street, East Side	27 ft. x 2 ft. 6 in.
Elm Street at Third Street, West Side	25 ft. x 2 ft.
Everett Street at Kay Street, East Side	28 ft. x 2 ft.
Marin Street at Kay Street	21 ft. x 1 ft. 6 in.
Poplar Street at Third Street, East Side	25 ft. x 2 ft.
Poplar Street at Third Street, West Side	24 ft. x 2 ft. 6 in.
Willow Street at Washington St., East Side	27 ft. x 2 ft. 10 in.

New Granite Curb

Bacheller Street, North Side	79 ft. 6 in.
Bellevue Avenue, East Bowery North, East Side	278 ft.
East Bowery Street, Bellevue Avenue to Freebody Street, North Side	539 ft. 6 in.
Freebody Street, West Side	308 ft.
Marchant Street, Harrison Avenue to Eastnor Road	246 ft.
Russell Avenue at Peckham Avenue	18 ft.
Third Street at Hayes, East Side	175 ft.
Third Street, Cypress to Training Station Road	2098 ft.
Van Zandt Avenue, Second Street, West, North Side	357 ft.
Whitfield Court	334 ft.
	4433 ft.

Curbs Reset

Granite:

Chestnut Street	265 ft.
Golden Hill Street	100 ft.
Long Wharf, north side	41 ft.
Third St., Cypress St. to Van Zandt Ave., west side	340 ft.
Third St., Van Zandt Ave. to Maitland Ct., east side	160 ft.
West Narragansett Avenue	560 ft.
	1466 ft.

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Bluestone:

Ayrault Street, east side	85 ft.
Ayrault St., Francis St., south, east side	350 ft.
Barney Street, north side	520 ft.
Broadway, Whitehall St. to Calvert St., west side	1250 ft.
Broadway, Arnold Ave. to Gould Street, east side	1920 ft.
Church Street, north side	127 ft.
Cranston Avenue, north side	760 ft.
Corne Street	110 ft.
Farewell Street, at River Lane	30 ft.
Green Street	600 ft.
Holland Street	606 ft.
Kay Street, Everett St. to Ayrault St., east side	261 ft.
Levin Street, north side	1132 ft.
Old Beach Road, south side	96 ft.
Prospect Hill St., Spring St. to Thames St	440 ft.
Walnut St., Washington St. to Second St	30 ft.
Washington St., Chestnut St. to Battery St	482 ft.
Webster Street, corner Spring Street	35 ft.
	8834 ft.

Streets Patched

Annandale Road, Atlantic Street, Bath Road, Broadway, Bridge Street, Bowery Street, Briggs Wharf, Brinley Street, Branch Street, Berkeley Avenue, Carroll Avenue, Church Street, Charles Street, Congdon Avenue, Catherine Street, Clark Street, Court House Street, Collins Street, Cotton's Court, Caleb Earl Street, Cliff Avenue, Chastellux Avenue, Coggeshall Avenue, Dixon Street, East Bowery Street, Elm Street, Everett Street, Eastnor Road, Farewell Street, Freebody Street, Ferry Wharf, Franklin Street, Fourth Street, Gould Street, Girard Avenue, Gibbs Avenue, Griswold Place, Halidon Avenue, Harrison Avenue, Homer Street, Hall Avenue, Houston Avenue, Jeffery Road, John Street, Kay Street, Long Wharf, Marchant Street, Malbone Road, Marine Avenue, Market Square, Merton Road, Mary Street, Morton Avenue, Marsh Street, North Baptist Street, Newport Avenue, Narragansett Avenue, Ocean Avenue, Old Beach Road, Ochre Point Avenue, Oak Street, Poplar Street, Pleasant Street, Perry Street, Parker Avenue, Powel Avenue, Roseneath Avenue, Ruggles Avenue, Ridge Road, Summer Street, Sycamore Street, Third Street, Touro Street, Thames Street (upper), Tilley Avenue, Vicksburg Place, Van Zandt Avenue, Washington Square, Water Works Road, Warner Street, Wellington Avenue, West Marlborough Street, Washington Street, Walnut Street, West Pelham Street, Wheatland Avenue, Webster Street, Young Street.

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Permanent Pavement Repaired

Long Wharf (Granite Blocks) ..... 42 ft. x 5 ft.

Streets Repaired and Rolled

Bellevue Avenue, from Turn to Bailey's Beach
Bridge Street, Washington Street to Railroad
Coggeshall Avenue, Ocean Avenue to Bellevue Avenue
Harrison Avenue, Habton Avenue to Ridge Road
Jeffery Road
Ocean Avenue
Third Street, Bridge Street to Poplar Street
Washington Street, Poplar Street South
Wellington Avenue

Streets Repaired and Rolled
with Material taken from Broadway Rolled

Bellevue Avenue	[illegible] ft. x [illegible] ft.	[illegible] sq. yds.
Cottage Court	[illegible] ft. x [illegible] ft.	[illegible] sq. yds.
Grove Avenue	[illegible] ft. x [illegible] ft.	[illegible] sq. yds.
Hill Avenue	[illegible] ft. x [illegible] ft.	[illegible] sq. yds.
Kay Street Boulevard	[illegible] ft. x [illegible] ft.	[illegible] sq. yds.
Mahone Avenue	[illegible] ft. x [illegible] ft.	[illegible] sq. yds.
Pear Street	[illegible] ft. x [illegible] ft.	[illegible] sq. yds.
Thurston Avenue	[illegible] ft. x [illegible] ft.	[illegible] sq. yds.
	[illegible] ft.	[illegible] sq. yds.

Streets Repaired and Rolled
with Material taken from lower Bellevue Avenue

Maher Court	[illegible] ft. x [illegible] ft.	[illegible] sq. yds.
Wisteria Avenue	[illegible] ft. x [illegible] ft.	[illegible] sq. yds.
	[illegible] ft.	[illegible] sq. yds.

Streets Re-macadamized

[illegible] Street, [illegible] Avenue, [illegible] Avenue, Bailey Street, [illegible] Street, [illegible] Street, Washington Street, Mount [illegible] Street, [illegible] Avenue, [illegible] Street, Mount Vernon Street, [illegible] Street, [illegible] Avenue, [illegible] Avenue, [illegible] Bridge Street, Jetty Point [illegible] Avenue, [illegible] Street, Thomas Street to [illegible] Street, [illegible] Street, Thomas Street to Spring Street, [illegible] Avenue, [illegible] Avenue to Lawrence Avenue, [illegible] Avenue, Lawrence Avenue to Bellevue Avenue, [illegible] Street, [illegible] Street to Spring Street, Washington Street, Wright Street, [illegible]

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Streets Re-surfaced

Catherine Street, Bellevue Avenue East
Ledge Road, Bellevue Avenue South

Streets Turnpiked

Sylvan Street	628 ft. x 24 ft.	1674.6 sq. yds.
Vaughan Avenue	840 ft. x 24 ft.	2240 sq. yds.
	1468 ft.	3914.6 sq. yds.

Sidewalks Repaired

Asphalt Blocks:	
Ayrault Street	85 ft. x 6 ft.
Flagstone:	
Church Street	127 ft. x 5 ft. 6 in.
Church Street	75 ft. x 6 ft.
Frank Street	250 ft. x 2 ft.
Spring Street at Congregational Church	6 ft. x 8 ft.

Sidewalks Patched

Ayrault Street, Bath Road, Bridge Street, Bliss Road, Brewer Street, Church Street, Division Street, Extension Street, Freebody Street, Green Street, Old Beach Road, Second Street, Sycamore Street, South Baptist Street, Third Street at Marsh Street, Thurston Avenue, Van Zandt Avenue, Walnut Street, Warner Street.

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COMPARATIVE STATEMENT OF FUEL CONSUMED BY DEPARTMENT

	1912			1913			1914		
	Tons	Cds.	Cost	Tons	Cds.	Cost	Tons	Cds.	Cost
Cumberland Coal at $5.70				124 1000		$709.65	156 1000		$892.05
Cumberland Coal at $5.45	116		$632.23						
Egg Coal at $7.00	82		574.00						
White Ash Stove Coal at $7.25				20 1000		148.63	26 1000		192.13
White Ash Stove Coal at $7.00	22		154.00	3		21.00			
White Ash Stove Coal at $6.85	3		20.55						
Pine Wood at $9.75 cord		38¼	378.98		35	341.27		47¼	459.48
	223	38¼	$1759.76	148	35	$1220.55	183	47¼	$1543.66

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DEPARTMENT OF HIGHWAYS AND BRIDGES

Forage Consumed at City Stable during the Municipal Year of 1914

Twelve Horses

	Jan. lbs.	Feb. lbs.	Mar. lbs.	Apr. lbs.	May lbs.	June lbs.	July lbs.	Aug. lbs.	Sept. lbs.	Oct. lbs.	Nov. lbs.	Dec. lbs.	Total lbs.	Total Tons	Total Bu.	Total Cost
Hay....	8230	6400	8580	7805	8075	9805	4925	8050	7050	7680	8425	8375	93400	46–1400		$1181.53
Oats ...	3200	6400	3200	6720	3200	3500	6400	3200	6525	3200	3200	5200	53945		1685–25	934.82
Straw..	550	510	691	605	465	839	400	200	803	320	646	442	6471	3–471		73.95
Bran...	100	200	100	100	200	200	100	100		100	100	200	1500			23.20
Salt....																5.15
Oil Meal				10		30			50				90			2.25
																$2220.90

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INVENTORY OF PROPERTY BELONGING TO THE DEPARTMENT OF BRIDGES AND BRIDGES

Office

1	Victor safe	$[illegible]	
1	Iron safe (City Hall office, Long Wharf)	[illegible]	
1	Iron safe (Current Expense Commissioners)	[illegible]	
1	Large brass filing case	[illegible]	
1	Small brass filing case	[illegible]	
1	Large fireproof cabinet	[illegible]	
	Furniture, chairs, stoves, desks, typewriters, etc.	[illegible]	
1	Engineer's cabinet (City Engineer's Office)	[illegible]	
1	Set Engineer's drafting instruments	[illegible]	
1	Plummer's lamp	[illegible]	
1	Expanding tachery	[illegible]	
1	Engineer's level and rod (City Engineer's Office)	[illegible]	
			[illegible]

Wharf and Stable

1	Standard scale	$[illegible]	
20	Horses	[illegible]	
3	Stone wagons	300 00	
4	Dump carts	80 00	
2	Two-horse steel dump carts	300 00	
3	One-horse steel dump carts	375 00	
1	Double gear	75 00	
1	Single gear	50 00	
1	Express wagon	50 00	
1	Street sweeper	10 00	
1	Two-horse roller	200 00	
4	One-horse watering carts	200 00	
9	Two-horse watering carts	900 00	
4	Sets double harness	150 00	
4	Sets cart harness	20 00	
4	Sets single wagon harness	20 00	
11	Waterproof covers	44 00	
10	Woolen blankets	20 00	
13	Baker blankets	65 00	
9	Stable forks	4 50	
2	Wagon jacks	1 00	
4	Steam Road rollers	11000 00	
2	Stone trucks	20 00	
7	Iron Wheelbarrows	56 00	

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3	Wooden Wheelbarrows	$6 00
2	Lawn mowers	5 00
1	Derrick, complete	150 00
1	Controlling nozzle and pipe	10 00
6	Spanner wrenches	2 50
7	Hydrant wrenches	7 00
2	Ship pumps and hose (50 feet)	75 00
90	Lanterns and globes	45 00
1	Gravel screen	6 00
2	Tree pruners	2 00
6	Ice picks	1 50
4	Cast iron stoves	50 00
4	Jack screws	8 00
1	Asphalt pot	3 00
2	Babbitt pots	2 00
2	Tar kettles on wheels	266 00
2	Claw hammers	30
3	Machinist hammers	1 50
1	Asphalt repair plant and tools, complete	400 00
6	Asphalt maddocks	6 00
3	Three-inch augers	12 00
4	Small augers	2 00
1	Breast drill	2 00
4	Crosscut saws	6 00
1	Bit stock	2 00
8	Hand saws	4 00
1	Wood saw	1 00
1	Hack saw	1 00
4	Straight edges	4 00
3	Plows	25 00
2	Stone axes	3 00
43	Cutting tools	4 30
6	Hand drills	3 00
14	Iron bars	14 00
4	Tampers	4 00
3	Iron Pounders	3 00
50	Iron pins	12 50
200	Lbs. steel	16 00
4	Striking hammers	6 00
9	Sledges	7 50
2	Paving pounders	2 00
19	Picks	9 50
4	Levels	2 00
2	Four-wheel asphalt heaters	650 00
6	Trench braces	18 00
3	Maddocks	1 50

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4	Iron rakes	[illegible]
2	Tape measures	1 [illegible]
24	Gauge pins and ropes	4 [illegible]
2	Manhole guards	5 [illegible]
1	Hydrant valve	2 [illegible]
4	Tool boxes	[illegible]
3	Sets stocks and dies	[illegible]
10	Stilson wrenches	[illegible]
4	Monkey wrenches	2 [illegible]
2	Pair chain tongs	[illegible]
2	Bolt cutters	1 [illegible]
3	Bench vises	12 [illegible]
1	Flush tank	[illegible]
1	24-inch manhole cover and rim	9 50
14	Long handle shovels	[illegible]
6	Short handle shovels	4 50
1	Stone roller	25 00
7	Large axes	10 50
5	Ox chains	5 00
6	Spades	6 00
4	Scythes and blades	6 00
3	Squares	3 00
1	Trowel	50
10	Hoes	6 00
2	Pair oilskin pants	2 00
11	Suits oilskins	22 00
7	Pair rubber boots	35 00
6	Pipe wrenches	3 00
3	California pumps	4 50
2	Smoothing trowels	1 50
1	Pair trimming shears	1 50
2	Step ladders	2 00
1	Joiner (granolithic tool)	1 00
1	Emery wheel	5 00
3	Planes	6 25
2	Screw drivers	1 00
1	Set dies and tape	15 00
1	Bevel	1 00
1	Pipe cutter	1 00
1	Painter's torch	1 50
2	Sets stencils	3 00
1	Hatchet	50
3	50-gallon oil cans	12 00
2	Funnels	50
2	½ gallon measures	1 00
1	Blacksmith's portable forge	12 60

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1	Pair snips	$2 00	
1	Set sewer cleaning rods and fittings	50 00	
1	Soldering iron.	1 50	
1	Ratchet drill and 16 drills	18 00	
2	Iron clamps	1 00	
1	Drawing Knife	1 00	
1	Extension bit	1 25	
1	Norton jack (15 ton)	48 00	
1	Extension ladder (30 feet)	3 00	
1	Ladder (18 feet)	2 00	
1	Upright self-feeding drill and 14 drills	29 00	
3	Five-gallon oil cans	3 00	$18103 50

Settling Tank

1	Centrifugal pump and fittings	$300 00	
1	Hoisting engine	150 00	
1	Boiler	365 00	$815 00

Quarry

1	Crusher engine and boiler	$4500 00	
1	Fairbank's scales	100 00	
1	Bellows	15 00	
2	Vises	10 00	
1	Anvil	7 00	
2	Chain falls	20 00	
1	McKiernan Steam drill and fittings	296 00	$4948 00

Ocean Avenue

1	Steam boiler, pump and tanks	$500 00	
1	Windmill (pump at yard) formerly at Bailey's Beach	500 00	$1000 00

Collins Beach

1	Steam boiler, pump and tank	$500 00

Hazard's Beach

1	Steam boiler, pump and tank	$700 00

Long Wharf

1	Steam boiler, pump and tank	$300 00

Second Ward Sewerage System

Pump house, tank, electric motors and pumps, etc	$7500 00
	$35239 00

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STATEMENT OF CASH RECEIVED AND DEPOSITED WITH THE CITY TREASURER DURING THE MUNICIPAL YEAR OF 1914

General Fund		Highway Fund	
Wharfage	$264 33	Labor	$27 00
Weighing	102 45	Materials	27 27
Permits	207 50	Asphalt Blocks	28 30
Street Sweepings	400 00	Relaying Roadbeds	103 76
Manure	7 50	Third St. Improvement	284 50
Outstanding Accounts	4 90	Asphalt Macadam	5112 37
Old Stone	37 65	Street Repairs	7 63
Second Hand Iron Cover and Rim	5 00	Use of Tar Kettles	22 50
		Catch Basin Repairs	26 90
		Use of Pump	103 00
	$1029 33		$5743 23

RECEIPTS AND EXPENDITURES OF ACCOUNTS IN CHARGE OF THE DEPARTMENT OF HIGHWAYS AND BRIDGES FOR THE MUNICIPAL YEAR 1914

Receipts

Appropriation	$213076 00
Appropriation, Briggs Wharf Wall	3940 00
Appropriation, Granolithic Sidewalk	500 00
Appropriation, Gibbs Avenue, extend sewer	100 00
Cash received and deposited with the City Treasurer to the credit of the Highway Fund, as per above statement	5743 23
	$223359 23

Disbursements

Paid for Labor	$107363 20
Paid for Materials	83692 53
Balance Unexpended	32303 50
	$223359 23

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STATEMENT SHOWING APPROPRIATIONS, (DEPOSITS WITH CITY TREASURER, DISBURSEMENTS) AND BALANCES OF ACCOUNTS IN CHARGE OF THE DEPARTMENT OF HIGHWAYS AND BRIDGES DURING (THE MUNICIPAL YEAR OF) 1914

			Appropriation	Deposit City Treas.	Total Appro.	Disbursements	Balances
	PUBLIC WEIGHTS AND MEASURES						
3.7	City Scales, City Wharf		$25.00		$25.00	$5.50	$19.50
	PUBLIC SAFETY						
3.8	Railroad Crossings	$25.00					
	Plus Transfer	25.00	50.00		50.00	45.63	4.37
	PUBLIC SANITATION						
5.0	Supervision		2650.00		2650.00	2611.34	38.66
5.1	Street Cleaning	$30000.00					
	Plus Transfer	2000.00	32000.00		32000.00	31847.11	152.89
5.2	Refuse Disposal						
	Collection and Disposal		10100.00		10100.00	10100.00	.....
	Labor at Dumps, etc		1500.00		1500.00	1404.55	95.45
5.3	Sewers and Sewage Disposal		9000.00	129.90	9129.90	8713.70	417.20
5.3	Settling Tank		600.00		600.00	440.77	159.23
5.3	Second Ward Sewage System		1000.00		1000.00	842 51	157.49
5.3	Construction (Sewers)						
	Harrison-Halidon Avenue		1650.00		1650.00	1357.14	292.86
	South Mayd Street		200.00		200.00	141.06	58.94
	Casey Court		10000.00		10000.00		10000.00
	Third Street	$10000.00					
	Less Transferred	3500.00	6500.00		6500.00	5576.82	923.18
	King Street		1200.00		1200.00	1200.00	.....
	Marin Street		500.00		500.00	364.41	135.59
	Farewell Street and Bowser Court		1000.00		1000.00	734.04	265.96
	Gibbs Avenue		100.00		100.00	96.10	3.90
			$78000.00	$129.90	$78129.90	$65428.55	$12701.35

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PUBLIC HIGHWAYS AND BRIDGES		Appropriation	Deposit City Treas.	Total Appro.	Disbursements	Balances
6.0 Supervision		$3400.00		$3400.00	$3326.75	73.25
6.2 Street Repairs	$27000 00					
Less Transferred	1025.00	25975.00	188.16	26163.16	25769.94	393.22
6.2 Bellevue Avenue Asphalt Macadam		2500.00		2500.00	2448.55	51.45
6.2 Bellevue Avenue Top Finish		3650.00		3650.00	3092.80	557.20
6 2 Broadway Asphalt Macadam		12000.00	5112.37	17112.37	14400.64	2711.73
6.2 Sea Wall Repairs		1500.00		1500.00	957.00	543.00
6.2 Briggs Wharf Wall		3940.00		3940.00	3940.00	.....
6.2 City Yard Building Repairs		500.00		500.00	161.43	338.57
6.2 Horses		750.00		750.00	602.00	148.00
6.2 1 15-ton Steam Roller		3450.00		3450.00	3450.00	.....
6.3-4-5 Land Damages :						
Peckham Avenue		350.00		350.00	350.00	.....
6.3-4-5 Construction :						
Vaughan Avenue		1875.00		1875.00	1394.94	480.06
Evarts Street		1334.00		1334.00	509.84	824.16
Sylvan Street		1473.00		1473.00	658.25	814.75
Van Zandt Avenue		1000.00		1000.00	681.71	318.29
Marchant Street		525.00		525.00	524.05	.95
Peckham Avenue		2175.00		2175.00	1355.07	819.93
Freebody, East Bowery and Bellevue Avenue	$2844.00					
Less Transfer	500.00	2344.00		2344.00	2296.04	47.96
Whitfield Court		800.00		800.00	650.20	149.80
Third Street Improvement		30000.00	284.50	30284.50	23069.47	7215.03
Granolithic Sidewalks		15000.00		15000.00	14243.21	756.79
State & John Street Granolithic Sidewalks.		500.00		500.00	491.86	8.14
Broadway Granolithic Sidewalk		500.00		500.00	390.49	109.51
6.6 Snow Removal		4500.00		4500.00	3017.05	1482.95
6 8 Street Sprinkling	$13500.00					
Plus Transfer	1000.00	14500.00		14500.00	14276.40	223.60
6.9 Bridge Repairs		500.00		500.00	36.68	463.32
		$135041.00	$5585.03	$140626.03	$122094.37	$18531.66

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	Appropriation	Deposit City Treas.	Total Appro.	Disbursements	Balances
PUBLIC RECREATIONS					
9.5 Bathing Beaches	$500.00		$500.00	$460.01	39.99
Easton's Beach, Granolithic Sidewalk	600.00	28.30	628.30	553.27	75.03
Forty Steps	50.00		50.00	21.50	28.50
City Piers	1500.00		1500.00	1056.28	443.24
	$2650.00	$28.30	$2678.30	$2091.06	$587.24
PUBLIC RECREATIONS, MISCELLANEOUS					
9.7 City Fountains	$150.00		$150.00	$89.25	$60.75
Tree Preservation	600.00		600.00	328.60	271.40
	$750.00		$750.00	$417.85	$332.15
PUBLIC DOCKS AND WHARVES					
10.7 City Wharf	$900.00		$900.00	$885.96	$14.04
City Floats	100.00		100.00	44.00	56.00
City Brows	100.00		100.00	42.81	57.19
	$1100.00		$1100.00	$972.77	$127.23
SUMMARY					
Public Weights and Measures	$25.00		$25.00	$5.50	$19.50
Public Safety	50.00		50.00	45.63	4.37
Public Sanitation	78000.00	129.90	78129.90	65428.55	12701.35
Public Highways and Bridges	135041.00	5585.03	140626.03	122094.37	18531.66
Public Recreations	2650.00	28.30	2678.30	2091.06	587.24
Public Recreations, Miscellaneous	750.00		750.00	417.85	332.15
Public Docks and Wharves	1100.00		1100.00	972.77	127.23
	$217616.00	$5743.23	$223359.23	$191055.73	$32303.50

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SUMMARY OF EXPENDITURES OF THE DEPARTMENT OF HIGHWAYS AND BRIDGES FOR THE MUNICIPAL YEAR OF 1914.

		Labor	Materials	Total
	Public Weights & Measures.			
3 7	City Scales, City Wharf		$5 50	$5 50
	Public Safety.			
3 9	Railroad Crossings:			
	Elm and Poplar Streets .	$4 25	41 38	$5 63
	Public Sanitation.			
5 0	Supervision .	2551 75	59 59	2611 34
5 1	Street Cleaning:			
	Cleaning Streets	17546 13	206 79	17752 92
	Cleaning Thames Street .	5605 96	581 91	6187 87
	Cleaning Spring Street.	2272 59	172 11	2444 70
	Cleaning Broadway	2063 57	123 12	2176 69
	Cleaning Long Wharf	886 26	48 33	934 59
	Cleaning Bellevue Avenue. .	2337 84	12 50	2350 34
5-2	Refuse Disposal:			
	Collection and Disposal	10100 00		10100 00
	Labor at Dumps, etc.	1401 75	2 80	1404 55
5 3	Sewers and Sewage Disposal:			
	Cleaning Main Sewers.....	2088 69	98 40	2187 09
	Cleaning Culverts.....	68 76	3 14	71 90
	Sewer Repairs:			
	General Repairs	126 04	54 36	180 40
	Lee's Wharf.	119 32	38 49	157 81
	Ruggles Avenue, Outlet.. .	61 94	11 45	73 39
	Wellington Avenue, Outlet	6 62	79	7 41
	Culvert Repairs,.	70 37	8 58	78 95
	Cleaning Catch Basins and Eyes.....	2876 80	548 43	3425 23
	Repairs Catch Basins and Eyes.....	166 40	40 47	206 87
	Construction, (Emergency Catch Basins:			
	Freebody at East Bowery Street	77 98	30 20	108 18
	Peckham at Russell Avenue	130 36	63 65	194 01
	Pine at Washington Street	97 41	44 34	141 75

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5.3	Construction, (Emergency Sewers):			
	Bliss Road, extend...	$	$2 73	$2 73
	Broadway, Vernon Avenue, north	832 34	197 74	1030 08
	Bush Street, extend.....	20 35	11 19	31 54
	Coggeshall Avenue, extend	49 87	15 78	65 65
	Cummings Road, extend....	250 46	50 86	301 32
	Dartmouth Street, extend..	23 63	5 08	28 71
	Eastnor Road, extend.. ...	73 14	18 03	91 17
	Farewell Street, extend....	68 06	25 90	93 96
	King Street.....	19 23		19 23
	Prescott Hall Road, extend.	61 42	22 61	84 02
	Water Works Road Culvert.	56 68	74 62	131 30
5.3	Construction (Special Sewers):			
	Bowser Court.....	68 89	13 48	82 37
	Gibbs Avenue..	77 96	18 14	96 10
	Halidon-Harrison Avenue....	1042 09	315 05	1357 14
	Farewell Street, Van Zandt Avenue north.....	545 94	105 73	651 67
	King Street.....	997 59	202 41	1200 00
	Marin Street.....	287 67	76 74	364 41
	South Mayd Street.....	100 55	40 51	141 06
	Third Street.	1611 66	3965 16	5576 82
5.3	Second Ward Sewage System...	21 43	821 08	842 51
5.3	Settling Tank:			
	Cleaning.....	293 75	128 30	422 05
	Repairs	11 50	7 22	18 72
		$57160 74	$8267 81	$65428 55

Public Highways and Bridges.

6.0	Supervision.....	$2861 01	$465 74	$3326 75
6.2	Street Repairs:			
	General Repairs Streets.. ...	786 30	1485 15	2271 45
	General Repairs Sidewalks...	253 70	82 42	336 12
	Repairs:			
	Bellevue Avenue.	13 93	8 77	22 70
	Bellevue Avenue, Asphalt..	100 03	124 48	224 51
	Bridge Street.....	10 68	24 28	34 96
	Carroll Avenue.....	27 75	30 68	58 43
	Coggeshall Avenue.....	33 68	71 64	105 32
	Harrison Avenue.....	111 64	181 89	293 53
	Ocean Avenue.....	468 98	424 30	893 28
	Ridge Road.....	39 41	41 39	80 80

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1 2 Street Repairs			
Town Street, Lower	[illegible]	[illegible]	[illegible]
Town Street, Upper	[illegible]	[illegible]	[illegible]
Washington Square	[illegible]	[illegible]	[illegible]
Washington Avenue	[illegible]	[illegible]	[illegible]
Repairs—Material from Broadway			
Bedford Avenue	[illegible]	[illegible]	[illegible]
Clinton Street	[illegible]	[illegible]	[illegible]
Grant Avenue	[illegible]	[illegible]	[illegible]
Hall Avenue	[illegible]	[illegible]	[illegible]
Kay street Boulevard	[illegible]	[illegible]	[illegible]
Marione Road	[illegible]	[illegible]	[illegible]
Narragansett Avenue	[illegible]	[illegible]	[illegible]
Pear street	[illegible]	[illegible]	[illegible]
Thurston Avenue	[illegible]		[illegible]
Vernonia Place	[illegible]	[illegible]	[illegible]
Repairs—Material from Bellevue			
Frank Street	[illegible]	[illegible]	[illegible]
Manet Court	[illegible]		[illegible]
Thoreau Avenue	[illegible]	[illegible]	[illegible]
Pavement Repairs			
Broadway	[illegible]	[illegible]	[illegible]
Spring Street	[illegible]	[illegible]	[illegible]
Thames Street	[illegible]	[illegible]	[illegible]
Telford Macadam:			
Broadway, East side, Rhode Island Avenue to Bliss Road	[illegible]	[illegible]	[illegible]
Resurface:			
Catherine Street, Bellevue, east	[illegible]	[illegible]	[illegible]
Ledge Road, south	[illegible]	[illegible]	[illegible]
Remacadamize:			
Bailey Street	[illegible]	[illegible]	[illegible]
Calender Avenue	[illegible]	[illegible]	[illegible]
Carron Avenue, Thames to Bateman Avenue	[illegible]	[illegible]	[illegible]
Halsey Street	[illegible]	[illegible]	[illegible]
Kay Street, Touro to Cranston Avenue	[illegible]	[illegible]	[illegible]
Marlborough Street	[illegible]	[illegible]	[illegible]
Morton Avenue	[illegible]	[illegible]	[illegible]
Mount Vernon Street	[illegible]	[illegible]	[illegible]
North Baptist Street	[illegible]	[illegible]	[illegible]
Ochre Point Avenue	[illegible]	[illegible]	[illegible]
Poplar Street	[illegible]	[illegible]	[illegible]

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6.2 Street Repairs:			
Prospect Hill Street.....	$68 31	$142 79	$211 10
Sanford Street.....	21 94	59 35	81 29
Shepard Avenue.....	367 58	1225 42	1593 00
Sherman Street.....	110 01	192 25	302 26
Washington Street.....	96 74	281 29	378 03
Asphalt Macadam:			
Coggeshall Avenue.....	65	98 80	99 45
Cypress Street.....	192 10	604 95	797 05
Sidewalk Repairs:			
Annandale Road...	7 17		7 17
Ayrault Street.....	71 24	13 05	84 29
Broadway.....	25 60		25 60
Corné Street.....	2 44	11 84	14 28
Cypress Street.....	17 62		17 62
Long Wharf.....	15 83	28 26	44 09
Summer Street.....	32 36		32 36
Thurston Avenue.....	110 52		110 52
West Narragansett Avenue	82 50		82 50
Frank Street, re-lay flagwalk, etc.....	85 04	11 97	97 01
Morton Avenue, sidewalk and gutter.....	288 78	68 96	357 74
Reset Curb:			
Ayrault Street, north side, Francis to Everett Street.	73 78	5 62	79 40
Barney Street, north side, Spring to Mt. Vernon Street	110 59	16 80	127 39
Broadway.....	671 53	75 10	746 63
Chestnut Street, north side.	82 32	6 11	88 43
Church Street.....	34 48	2 86	37 34
Corné Street.....	17 20	2 37	19 57
Cranston Avenue, north side	145 33	16 36	161 69
Farewell Street, east side..	6 37		6 37
Golden Hill Street.....	10 25		10 25
Green Street....	122 85	15 13	137 98
Holland Street, north side..	123 50	21 79	145 29
Kay Street.....	96 88	8 31	105 19
Levin Street.....	274 98	65 22	340 20
Long Wharf.....	46 40	8 53	54 93
Old Beach Road.....	29 95	1 17	31 12
Prospect Hill St., north side	101 41	13 55	114 96
Third Street....	92 60	4 30	96 90
Walnut Street.....	12 72	4 82	17 54
Washington Street.....	126 97	8 66	135 63
West Narragansett Avenue	128 71	20 41	149 12

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6 2	Street Repairs:		
	Corner Curb:		
	Barney Street	$15 50	$1 57	$17 07
	Extend Curb:		
	Bachelder St., Byrnes St., east	83 [illegible]	101 47	185 36
	Replace Curb at Driveways:		
	Bay View Ave., Taggart Est.	22 46	1 57	24 03
	Belvedere Ave., Gyre Est.	2 34	1 45	23 79
	Relay Gutters:		
	Broadway	171 55	29 44	132 59
	Bell Street	4 [illegible]	1 57	10 65
	Byrnes Street	31 [illegible]	1 22	33 02
	Set Back Curb:		
	Spring St. at Webster St.	42 [illegible]	21 22	65 07
	New Driveways:		
	Bell Street, City Hall and Fire Department	46 65	44 78	123 43
	Cranston Ave., Hamart Est.	5 [illegible]		5 00
	Main Street at Kay Street	56 25	32 40	88 65
	Main St. at No. 1 Fire Station	20 75	22 99	43 74
	Kay Terrace at Kay Street	22 74	3 93	26 67
	Russo Court at Barney St.	3 75		3 75
	Repair and Relay Driveways:			
	General Repairs	21 38	2 36	23 74
	Putnam Street	16 11	1 02	17 13
	Stone St. at Weaver Est.	5 20	2 39	7 59
	Crossings:			
	Repair and Relay	1479 48	252 14	1731 13
	Bay Side Ave. at Van Zandt Avenue	56 46	42 76	99 22
	Pine St. at Washington St.	31 20	14 63	45 83
	Build Fence, Lodge Road	12 41	4 79	17 20
6 2	New Plant Building Repairs	94 26	67 17	161 43
6 2	Horses		692 00	692 00
6 2	[illegible] Steam Road Roller		3450 00	3450 00
6 2	Storage Water Main Repairs		3940 00	3940 00
6 2	Sea Wall Repairs:			
	Easton's Beach		450 00	450 00
	Ocean Avenue		425 00	425 00
6 2	Belvedere Ave., City Prison	866 47	2136 73	3002 20
6 2	Belvedere Ave., Assistant Warden	653 85	1792 70	2446 55
6 2	Stockwell, Assistant Warden	3734 25	10666 39	14400 64
6 3 + 5	Land Damages:			
	Peckham Avenue		350 00	350 00

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6.3-4-5 Construction:			
Bellevue Ave., East Bowery and Freebody St., Curb:			
Bellevue Avenue	$342 73	$297 80	$640 53
East Bowery Street	434 94	595 66	1030 60
Freebody Street	248 90	376 01	624 91
Evarts Street:			
Turnpike	9 50		9 50
Macadamize	149 74	350 60	500 34
Marchant Street Curb	255 43	268 62	524 05
Peckham Avenue:			
Turnpike	453 18	10 98	464 16
Macadamize	372 36	421 15	793 51
Crossing at Broadway	61 23	36 17	97 40
Sylvan Street:			
Turnpike	83 25		83 25
Macadamize	131 11	443 89	575 00
Third Street Improvement:			
Proving and certifying Bonds		110 00	110 00
Land Damages		5000 00	5000 00
Grading	1319 80	68 87	1388 67
Tree Removal	318 53	44 61	363 14
Setting Curb	2200 25	2831 44	5031 69
Making Driveways	132 73	143 82	276 55
Asphalt Macadam	2044 15	5926 38	7970 53
Granolithic Sidewalk	774 56	2142 76	2917 32
Sidewalk, East Side, Gravel	3 34	8 23	11 57
Van Zandt Ave., Curb	309 27	372 44	681 71
Vaughan Avenue:			
Turnpike	163 00		163 00
Macadamize	199 79	999 77	1199 56
Sidewalks	32 38		32 38
Whitfield Court Curb	283 42	366 78	650 20
Granolithic Sidewalks:			
First Ward:			
Chestnut St., north side	244 60	436 67	681 27
Third St., east and west sides	130 43	564 16	694 59
Washington St., west side, Chestnut St., north	209 00	574 72	783 72
Van Zandt Ave., north side, Second St. to Water Front	135 93	276 18	412 11
Van Zandt Ave., north side Second St. to Third St	88 48	194 31	282 79
Second Ward:			
Broadway, east side, Mann Ave. to Everett St	523 39	565 09	1088 48

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§ 3-4-5 Construction:			
Second Ward:			
Cranston Ave., north side	$475 55	$873 92	$1349 47
Summer St., south side, Broadway to Malbone Rd	274 23	287 10	561 33
Third Ward:			
Arnault St., east side, Francis St. to Everett Street	172 24	239 74	411 98
Barney St., north side, Spring St. to Mount Vernon St	246 16	342 43	588 59
Bell St., south side, Seabury Ave. to Spring Street	35 [illegible]	164 96	199 96
Corne St., east side, Mill St., south	37 [illegible]	62 37	100 06
Farewell St., east side, Broadway to Marlborough Street	65 58	154 15	220 03
Green St., both sides, where needed	135 83	242 48	377 31
Pelham St., Bellevue Ave., to Charming Church	132 [illegible]	305 22	437 31
Prospect Hill Street, north side, Spring to Thames St.	[illegible] 76	177 39	362 15
Fourth Ward:			
Annandale Road, east and west sides	324 71	424 44	749 15
Bellevue Avenue, east side, East Bowery to Brewster Court	107 72	326 02	433 74
Golden Hill St., north side	265 60	372 11	637 71
Levin Street, north side	388 83	634 54	1,023 37
Fifth Ward:			
Bannister Street, north side, Thames Street, east	32 26	63 73	96 99
Broad Street, north side	184 40	370 31	554 31
Warren Avenue, north side	347 58	599 74	947 32
West Narragansett Avenue, south side	488 40	720 29	1,208 29
Granolithic Sidewalks:			
Broadway, east side, Spring to Stone Street	50 59	339 90	390 49
Granolithic Sidewalks, State and Tom:			
State Street	147 82	270 55	418 37
Tom Street	16 [illegible]	56 71	73 49

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6.6–Snow Removal	$2,674 14	$342 91	$3,017 05
6.8–Street Sprinkling			
Watering, repairs	1,019 16	237 93	1,257 09
Watering, applying	8,651 44	397 73	9,049 17
Applying Dustoline	190 76	3,779 38	3,970 14
6.9–Bridge Repairs			
Girard Avenue	10 29	15 73	26 02
Van Zandt Avenue	6 87	3 79	10 66
	$48,555 94	$73,538 43	$122,094 37

Public Recreations.

9.5–Bathing Beaches.			
Easton's Beach, clean road, etc.	345 51	14 50	360 01
Easton's Beach, Gran. Sidewalk	59 66	493 61	553 27
Battery Park Beach, Repair Bathhouses		100 00	100 00
Forty Steps, Paint and Repair	20 25	1 25	21 50
City Piers.			
Ann Street, repair	3 00	2 29	5 29
Elm Street, repair	76 65	125 75	202 40
Van Zandt Avenue, repair.	2 75	845 84	848 59
	$ 507 82	$1,583 24	$2,091 06

Public Recreations.

Miscellaneous:

9.7–City Fountains.			
Cleaning	28 50	2 20	30 70
Repairs.			
Broadway	6 37	1 18	7 55
Easton's Beach	6 00	20 85	26 85
Touro Park West	2 70	35	3 05
Washington Square		12 00	12 00
West Broadway	7 75	1 35	9 10
Tree Preservation.			
Trim and Remove	289 34	39 26	328 60
	$340 66	$77 19	$417 85

Public Docks and Wharves:

10.7–City Wharf.			
Wharfinger and Supplies	746 75	133 71	880 46
Long Wharf, Paint fence	5 50		5 50

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10.7-City Floats.			
Paint and Repair	$17 25	$26 75	$44 00
City Brows,			
Willow Street, Repair	21 67	18 52	40 19
Elm Street, repair	2 62		2 62
	$793 79	$178 98	$972 77

Summary.

Public Weights and Measures		5 50	5 50
Public Safety	4 25	41 38	45 63
Public Sanitation	57,160 74	8,267 81	65,428 55
Public Highways and Bridges	48,555 94	73,538 43	122,094 37
Public Recreations	507 82	1,583 24	2,091 06
Public Recreations, Miscellaneous	340 66	77 19	417 85
Public Docks and Wharves	793 79	178 98	972 77
	$107,363 20	$83,692 53	$191,055 73

DETAIL OF EXPENDITURES OF THE DEPARTMENT OF HIGHWAYS AND BRIDGES FOR THE MUNICIPAL YEAR OF 1914

PUBLIC WEIGHTS AND MEASURES

March

1	Simon Hart, scale books	$2 70

November

2	Simon Hart, scale books	2 80
		$5 50

PUBLIC SAFETY

1	W. W. Harris & Company, lumber	$37 76
2	Highways & Bridges, freight and lumber	2 83
	Pay Rolls	3 88
		$44 47

PUBLIC SANITATION

January

1	George H. Chase, blue printing	$2 94
2	William Brightman, auto hire	6 00
3	Neffer & Hattub, refuse disposal	799 59
4	J. K. Sullivan, gravel	19

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5	Alexander J. Fludder, pipe	$1 12
6	Charles S. Goddard, cart repairs	3 00
7	J. K. Sullivan, gravel	1 09
8	Alexander J. Fludder, cement	3 67
9	The Bay State Street Railway Company, electricity	80 23
	Pay Rolls	1363 03
		$2260 86

February

10	George H. Carr, paper	$2 65
11	Neffer & Hattub, refuse disposal	799 59
12	S. W. Coggeshall, new tool	1 50
13	J. D. Johnston, lumber & milling	1 90
14	J. T. O'Connell, paint & screws	1 53
15	The Peckham Company, princess mettalic	30
16	M. F. Shea, cart repairs	47 00
17	S. W. Coggeshall, tire bolts	08
18	Charles S. Goddard, tool repairs	2 50
19	Alexander J. Fludder, pipe	28 10
20	John M. Friend, pipe & cement	21 10
21	J. K. Sullivan, gravel	94
22	J. Stacy Brown, crushed stone	1 41
23	The Bay State Street Railway Co , electricity	69 12
	Pay Rolls	1204 99
		$4443 57

March

24	Harry L. DeBlois, street hoes	$19 50
25	Wm. B. Scott & Company, brooms & scrapers	42 25
26	M. F. Shea, cart repairs	3 50
27	Neffer & Hattub, refuse disposal	799 59
28	Highways & Bridges, express	23
29	John M. Friend, cement	45
30	Charles S. Goddard, tool repairs	3 50
31	Lynch Brothers, cart repairs	6 38
32	J. D Johnston, lumber	1 20
33	Alexander J. Fludder, pipe	2 73
34	John M. Friend, pipe & cement	21 88
35	Alexander J. Fludder, pipe	19 50
36	Bay State Street Railway Company, electricity	28 58
37	Scannevin & Potter, reps. sewerage system	7 00
38	Wm. B. Scott & Company, oil pump	25
	Pay Rolls	1859 08
		$7259 19

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April

39	Ward Printing Company, printing	$9 00
40	Kee Lox Manufacturing Company, typewriter ribbons	4 50
41	D. J. Sullivan, tool repairs	1 05
42	H. L. Marsh & Company, bag	25
43	Lynch Brothers, cart repairs	7 62
44	Neffer & Hattub, refuse disposal	799 59
45	James S. Ramlose, repair rubber boots	5 25
46	Alexander J. Fludder, pipe	19 95
47	John M. Friend, cement and brick	11 15
48	J. K. Sullivan, gravel	1 43
49	Charles S. Goddard, irons on pails	1 50
50	James S. Ramlose, repair rubber boots	50
51	Wm. B. Scott & Company, oak pails	2 50
52	Charles S. Goddard, tool repairs	4 52
53	John M. Friend, pipe, etc.	32 70
54	Alexander J. Fludder, pipe	31 98
55	J. Stacy Brown, crushed stone	49
56	Charles S. Goddard, tool repairs	2 20
57	John M. Friend, pipe and cement	21 10
58	Alexander J. Fludder, pipe	24 96
59	J. K. Sullivan, gravel	56
60	Charles S. Goddard, tool repairs	90
61	John M. Friend, pipe	22 05
62	J. K. Sullivan, gravel	56
63	John M. Friend, pipe and cement	35 81
64	J. K. Sullivan, gravel	60
65	D. J. Sullivan, tool repairs	1 30
66	Alexander J. Fludder	72 27
67	John M. Friend, brick and cement	13 70
68	J. K. Sullivan, gravel	3 26
69	The Bay State Street Railway Company, electricity.	93 34
70	Scannevin & Potter, fuses	3 50
	Pay Rolls	4846 38
		$13335 66

May

71	Harry L. DeBlois, street hoes	$19 50
72	The Broadway Hardware Company, new tools	8 35
73	Wm. B. Scott & Company, brooms	75 00
74	S. W. Coggeshall, scoop	1 60
75	Neffer & Hattub, refuse disposal	799 59
76	Harold L. Bond Company, sewer brushes	34 00
77	N. Y., N. H. & H. R. R. Co., freight	35
78	J. K. Sullivan, gravel	04

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79	Jas. S. Ramlose, rubber boots	$6 00
80	M. F. Shea, repair catch basin	1 00
81	J. K. Sullivan, gravel	07
82	Alexander J. Fludder, cement	78
83	John M. Friend, pipe	60
84	J. K. Sullivan, gravel	04
85	Alexander J. Fludder, cement	79
86	D. J. Sullivan, tool repairs	17 28
87	M. F. Shea, tool repairs	4 00
88	Alexander J. Fludder, pipe and cement	74 25
89	John M. Friend, pipe, etc	100 34
90	J. K. Sullivan, gravel	1 05
91	W. H. Tibbetts, explosives	2 80
92	J. J. Martin, kerosene	4 95
93	The Broadway Hardware Company, hammer	96
94	Wm. B. Scott & Company, tape line	40
95	The Bay State Street Railway Company, electricity.	96 69
	Pay Rolls	4698 77
		$19284 86

June

96	Highways & Bridges, postage	$2 00
97	S. W. Coggeshall, new tools	3 05
98	Newport Paper & Grocery Company, oatmeal	4 25
99	Neffer & Hattub, refuse disposal	799 59
100	Lynch Brothers, pipe	85
101	Charles S. Goddard, tool repairs	75
102	M. F. Shea, cart repairs	6 50
103	John M. Friend, pipe	60
104	Charles S. Goddard, tool repairs	2 30
105	Howard S. West, tool repairs	28 35
106	Alexander J. Fludder, pipe	86 58
107	John M. Friend, pipe, etc.	157 77
108	J. K. Sullivan, gravel	3 11
109	W. H. Tibbetts, explosives	6 75
110	J. J. Martin, kerosene	5 50
111	The Bay State Street Railway Company, electricity.	100 65
	Pay Rolls	5823 76
		$26317 23

July

112	The Broadway Hardware Company, new tools	$ 75
113	Neffer & Hattub, refuse disposal	799 59
114	Wm. B. Scott & Company, hoes	1 30
115	John M. Friend, cement	1 60

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116	James S. Ramlose, repair rubber boots	$1 00
117	D. E. Sullivan, pails and covers	70
118	John M. Friend, brick, etc	6 15
119	Alexander J. Fludder, pipe, etc	5 08
120	D. J. Sullivan, tool repairs	1 00
121	S. W. Coggeshall, hasp and staple	06
122	The Bay State Street Railway Company, electricity.	120 76
123	Ralph R. Barker, glass and putty	1 20
124	Howard S. West, tool repairs	9 76
125	J. K. Sullivan, gravel	2 78
126	Alexander J. Fludder, pipe	123 60
127	John M. Friend, pipe, etc	101 72
128	S. W. Coggeshall, brush	1 00
	Pay Rolls	4488 59
	Assumed, Contract Sewer, U. S. N. Hospital Lands.	2743 42
		$34727 29

August

129	Ward Printing Company, printing	$5 00
130	The Gladding Print, printing	3 00
131	Remington Ward, printing	7 50
132	Harry L. DeBlois, street hoes	19 50
133	The Broadway Hardware Company, scythes	4 50
134	Wm. B. Scott & Company, brooms and scrapers	41 25
135	Lynch Brothers, repair hydrant valve	66
136	Neffer & Hattub, refuse disposal	799 59
137	J. T. O'Connell, diaphragms	18 25
138	M. F. Shea, cart repairs	12 85
139	Charles S. Goddard, repair pail	35
140	Howard S. West, tool repairs	24
141	Alexander J. Fludder, pipe and cement	12 88
142	J. K. Sullivan, gravel	30
143	D. J. Sullivan & Company, weighing gravel	10
144	Alexander J. Fludder, pipe and cement	14 83
145	Daniel J. Sullivan, tool repairs	75
146	John M. Friend, brick and cement	14 70
147	Alexander J. Fludder, pipe	59
148	J. K. Sullivan, gravel	1 37
149	D. J. Sullivan & Company, weighing gravel	10
150	J. D. Johnston, lumber	27
151	Daniel J. Sullivan, tool repairs	9 65
152	Alexander J. Fludder, pipe and cement	127 55
153	John M. Friend, brick and cement	13 70
154	J. K. Sullivan, gravel	5 44
155	John M. Friend, brick and cement	6 05

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156	J. K. Sullivan, gravel	$ 75
157	The Bay State Street Railway Company, electricity.	42 24
158	J. T. O'Connell, spikes	25
159	Lynch Brothers, flax packing	65
	Pay Rolls	4643 27
	Assumed, Contract Sewer, U. S. N., Hospital Lands	587 07
		$41,122 49

September

160	Wm. B. Scott & Company, new tools and brooms	38 75
161	The Broadway Hardware Company, new tools	75
162	Neffer & Hattub, refuse disposal	799 59
163	Jas. S. Ramlose, rubber boots	5 50
164	J. T. O'Connell, rope	1 50
165	Alexander J. Fludder, pipe	6 63
166	J. K. Sullivan, gravel	26
167	Howard S. West, tool repairs	60
168	Alexander J. Fludder, pipe	9 45
169	John M. Friend, pipe	18 80
170	J. K. Sullivan, gravel	34
171	Howard S. West, tool repairs	3 35
172	Alexander J. Fludder, pipe	16 38
173	John M. Friend, brick, etc	19 55
174	J. K. Sullivan, gravel	8 14
175	Daniel J. Sullivan, tool repairs	4 80
176	D. J. Sullivan, tool repairs	75
177	Charles S. Goddard, tool repairs	25
178	Howard S. West, tool repairs	75
179	John M. Friend, cement, etc	4 80
180	Alexander J. Fludder, pipe and cement	26 53
181	W. H. Tibbetts, explosives	3 41
182	John M. Friend, cement and brick	6 20
183	J. K. Sullivan, gravel	56
184	The Bay State Street Railway Company, electricity.	61 44
	Pay Rolls	5,777 82
		$47,939 39

October

185	The Milne Printery, printing	7 50
186	Standard Carbon and Ribbon Company, carbon paper.	3 00
187	Charles S. Goddard, cart repairs	1 25
188	S. W. Coggeshall, rakes	1 00
189	Neffer & Hattub, refuse disposal	799 59
190	J. K. Sullivan, gravel	30
191	Howard S. West, tool repairs	40
192	J. K. Sullivan, gravel	75

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193	John M. Friend, pipe and brick	$35 67
194	Charles S. Goddard, tool repairs	73
195	J. K. Sullivan, gravel	3 21
196	John M. Friend, pipe, brick, etc	37 27
197	Charles S. Goddard, tool repairs	87
198	Howard S. West, tool repairs	3 00
199	J. K. Sullivan, gravel	60
200	John M. Friend, pipe and cement	40 64
201	The Bay State Street Railway Company, electricity	45 22
202	Scannevin & Potter, sewerage inspection	10 00
203	Pinniger & Manchester Company, use of scow and fuel	33 63
204	J. K. Sullivan, towing scow	65 00
205	T. Mumford Seabury Company, rubber boots	12 00
206	George G. Popple, rubber boots	11 00
207	Robert S. Gash, rubber boots	18 00
208	Jas. S. Ramlose, rubber boots	16 50
209	J. T. O'Connell, pipe, rope, etc	8 50
210	James P. Taylor, oilskins	9 00
211	S. W. Coggeshall, shovels	14 00
212	J. D. Johnston, plank	1 47
213	Wm. B. Scott & Company, screws	44
214	Charles S. Goddard, bolts, etc	3 00
215	Lynch Brothers, making gaskets	45
	Pay Rolls	4,401 42
		$53,524 80

November

216	Ward Printing Company, printing	12 50
217	K. B. Squires, cleaning rugs	75
218	Wm. B. Scott & Company, brooms	31 25
219	S. W. Coggeshall, scoop	1 45
220	Charles S. Goddard, cart repairs	75
221	Estate M. F. Shea, cart repairs	17 40
222	Neffer & Hattub, refuse disposal	799 59
223	Estate M. F. Shea, cart repairs	12 00
224	Howard S. West, tool repairs	8 40
225	John M. Friend, pipe, etc	45 11
226	Howard S. West, tool repairs	3 20
227	Charles S. Goddard, tool repairs	30
228	Alexander J. Fludder, pipe, etc	50 52
229	John M. Friend, pipe and cement	4 80
230	W. H. Tibbetts, explosives	3 78
231	J. K. Sullivan, gravel	30
232	Howard S. West, tool repairs	1 40
233	Alexander J. Fludder, pipe	11 70

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234	John M. Friend, pipe	$ 80
235	J. K. Sullivan, gravel	19
236	Howard S. West, tool repairs	1 00
237	Alexander J. Fludder, pipe	15 60
238	John M. Friend, pipe	80
239	The Bay State Street Railway Company, electricity	34 12
240	Ralph R. Barker, shellac	15
	Pay Rolls	4,711 61
		$59,294 27

December

241	S. W. Coggeshall, shovels	2 95
242	H. L. Marsh & Company, bag	25
243	Neffer & Hattub, refuse disposal	1,304 51
244	Charles S. Goddard, repair pails	1 00
245	James S. Ramlose, repair rubber boots	1 00
246	Estate M. F. Shea, cart repairs	21 15
247	James P. Taylor, rubber hat	50
248	Charles S. Goddard, tool repairs	24
249	J. K. Sullivan, gravel	38
250	Alexander J. Fludder, pipe, etc	53 57
251	John M. Friend, pipe	11 60
252	J. K. Sullivan, gravel	82
253	A. & H. G. Hammett, lumber	80
254	The Bay State Street Railway Company, electricity	37 67
255	Lynch Brothers, repairs	6 82
	Pay Rolls	1,550 58
	½ of Street Commissioner's Salary, (Assumed)	750 00
		$63,038 11

PUBLIC HIGHWAYS AND BRIDGES

January

1	J. B. Parsonage & Son, bond	$12 50
2	C. A. Hilcken, binding annual reports	1 00
3	Ward Printing Company, printing	9 00
4	The Milne Printery, printing	5 00
5	Simon Hart, office supplies	4 40
6	George H. Carr, office supplies	1 45
7	Kee Lox Manufacturing Company, carbon, etc	4 50
8	John F. Sullivan, crushed stone	10 10
9	J. Stacy Brown, crushed stone	1 10
10	J. D. Johnston, lumber	1 92
11	The Peckham Company, new tools	8 00

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12	J. D. Johnston, lumber	$2 38
13	S. W. Coggeshall, putty	20
14	Barker Bros. & Company, rubber elbow	50
15	J. K. Sullivan, gravel	17 25
16	Pinniger & Manchester Company, fuel	7 25
17	Harold I. Bond Company, repairs	30 64
18	N. Y., N. H. & H. R. R. Co., freight	81
19	Highways and Bridges, express	65
20	M. F. Shea, tires	21 00
21	Charles S. Goddard, cart repairs	14 25
22	J. T. O'Connell, hack saw blades	50
23	Wm. B. Scott & Company, putty screen and tacks	3 28
24	S. W. Coggeshall, lamp wicking, etc	55
25	J. D. Johnston, lumber and milling	4 26
26	Ralph R. Barker, paint and brushes	3 00
	Pay Rolls	638 73
		$804 22

February

27	Providence Telephone Company, exchange service	$20 67
28	The Gladding Print, printing	4 00
29	Maurice C. Smith, rubber stamps and pad	2 00
30	Wm. P. Clarke, ink	1 00
31	The A. C. Titus Company, costumers	5 30
32	The Municipal Journal, subscription	3 00
33	S. W. Coggeshall, repairs	27
34	Highways and Bridges, postage	2 00
35	Charles S. Goddard, wrench, etc	1 00
36	Wm. B. Scott & Company, spikes	20
37	S. W. Coggeshall, wire nails	25
38	J. T. O'Connell, rope	50
39	J. K. Sullivan, gravel	25 15
40	S. W. Coggeshall, pick handles	1 50
41	Wm. B. Scott & Company, picks and handles	3 60
42	Broadway Hardware Company, picks and handles	8 45
43	J. T. O'Connell, solder	44
44	M. F. Shea, cart repairs	1 35
45	Dudley P. Bacheller, cart repairs	22 15
46	Charles S. Goddard, cart repairs	4 90
47	Studebaker Bros. Co. of N. Y,, repairs	28 70
48	Highways and Bridges, express	30
49	N. Y., N. H. & H. R. R. Co., freight	25
50	S. W. Coggeshall, axe handle	25
51	Wm. B. Scott & Company, hack saws	60
	Pay Rolls	2009 08
		$2951 13

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March

52	The Gladding Print, printing	$7 00
53	Remington Ward, paper	2 50
54	Highways and Bridges, postage	2 00
55	Simon Hart, office supplies	40
56	Saml. T. H. Ailman, office supplies	1 75
57	The Register & Guide Company, subscription	2 00
58	Joseph W. Albro, installing electric light	4 00
59	J. T. O'Connell, paint	20
60	The Peckham Company, shovels	45 00
61	Charles S. Goddard, steel pins	6 88
62	Ralph R. Barker, white lead	20
63	J. D. Johnston, lumber	1 68
64	S. W. Coggeshall, repairs	1 53
65	Wm. B. Scott & Company, tacks	44
66	Elmer B. Sisson, horses	600 00
67	Highways and Bridges, freight	2 00
68	J. K. Sullivan, gravel	30
69	George Stanhope, salt	80
70	M. F. Shea, tool repairs	1 45
71	P. M. Shea, tool repairs	1 50
72	Charles S. Goddard, tool repairs	10
73	Pinniger & Manchester Company, fuel	14 50
74	Dudley P. Bacheller, cart repairs	3 65
75	Lynch Brothers, repairs	66
	Pay Rolls	897 73
		$4549 40

April

76	Remington Ward, printing	$10 00
77	Ward Printing Company, printing	13 00
78	Providence Telephone Company, exchange service	20 16
79	Saml. T. H. Ailman, office supplies	5 00
80	M. F. Shea, tool repairs	95
81	Howard S. West, tool repairs	1 66
82	Charles S. Goddard, tool repairs	9 65
83	James J. Dugan, crushed stone	1180 50
84	J. Stacy Brown, crushed stone	94
85	J. K. Sullivan, gravel	38 65
86	A. & H. G. Hammett, lumber	2 66
87	John M. Friend, cement	1 60
88	James F. Marden Company, supplies	12 00
89	S. W. Coggeshall, rakes, etc	1 80
90	J. D. Johnston, paving pounders	7 50
91	The Bennington Company, shovels	12 00
92	The Broadway Hardware Company, chalk	75

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93	J. T. O'Connell, supplies	$3 33
94	A. & H. G. Hammett, lumber	46
95	J. D. Johnston, lumber	8 95
96	S. W. Coggeshall, screws	40
97	Buffalo Steam Roller Company, steam roller	3450 00
98	Thomas Maguire, Easton's Beach sea wall reps	489 00
99	J. K. Sullivan, Briggs Whf. Wall repairs	3940 00
100	M. F. Shea, plow repairs	1 80
101	S. W. Coggeshall, tire bolts	30
102	J. T. O'Connell, repairs	2 55
103	Robert L. Oman, repairs	20 17
104	Philip F. Conroy, repairs	1 04
	Pay Rolls	1822 59
		$15608 81

May

105	Providence Telephone Company, toll calls	$1 65
106	Blaisdell Paper Pencil Company, pencils	1 30
107	James H. Donovan, repair levels	1 50
108	D. J. Sullivan, tool repairs	7 05
109	Charles S. Goddard, tool repairs	8 95
110	James J. Dugan, crushed stone	785 91
111	James J. Dugan, crushed stone	1099 36
112	J. K. Sullivan, gravel	35 63
113	Wm. B. Scott & Company, pick handles	1 25
114	N. Y., N. H. & H. R. R. Co., freight	25
115	The Peckham Company, shovels	24 50
116	J. D. Johnston, lumber and milling	4 90
117	Charles S. Goddard, iron	25
118	D. J. Sullivan, tool repairs	1 50
119	Howard S. West, tool repairs	54
120	J. K. Sullivan, gravel	42 54
121	J. D. Johnston, lumber,	42
122	Lynch Brothers, repairs	5 02
123	Pinniger & Manchester Company, fuel	29 06
124	G. H. Burnham, rubber	88
125	J. T. O'Connell, pump leather	35
126	M. F. Shea, cart repairs	3 00
127	The Dustoline for Roads Company, dustoline	1184 20
128	N. Y., N. H. & H. R. R. Company, demurrage	4 00
129	Newport Ship Yard, lumber	2 50
130	S. W. Coggeshall, wire nails	50
	Pay Rolls	4279 38
	Assumed, Deed, Peckham Avenue	350 00
	Deed, Third Street	5000 00
		$28485 20

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June

131	Simon Hart, office supplies	$3 10
132	Samuel T. H. Ailman, office supplies	1 95
133	Blaisdell Paper Pencil Co., lumber crayons	2 50
134	George H. Carr, office supplies	3 35
135	Charles S. Goddard, tool repairs	80
136	Howard S. West, tool repairs	36
137	D. J. Sullivan, tool repairs	4 15
138	James Corrigan, rubblestone	28 00
139	James J. Dugan, crushed stone	1032 18
140	James J. Dugan, crushed stone	763 60
141	James J. Dugan, crushed stone	346 69
142	J. K. Sullivan, gravel	51 16
143	D. J. Sullivan & Co., weighing gravel	1 40
144	Pinniger & Manchester Company, fuel	9 75
145	S. W. Coggeshall, iron rake	25
146	Wm. B. Scott & Company, brooms	1 30
147	The Broadway Hardware Company, vise	4 00
148	D. E. Sullivan, pails	1 50
149	Newport Paper & Grocery Company, oatmeal	4 25
150	J. T. O'Connell, paint	55
151	James H. Donovan, tool repairs	1 50
152	A. & H. G. Hammett, lumber	25 25
153	Charles S. Goddard, tool repairs	8 15
154	James J. Dugan, crushed stone	223 00
155	James J. Dugan, crushed stone	263 69
156	James J. Dugan, crushed stone	548 35
157	Pinniger & Manchester Company, fuel	24 38
158	M. F. Shea, straps	12 60
159	J. T. O'Connell, rope, etc	3 83
160	The Broadway Hardware Company, picks	10 20
161	James F. Marden Company, lanterns and globes	29 70
162	A. &. H. G. Hammett, lumber	5 69
163	Downing Brothers, carron oil	50
164	Thomas Maguire, contract	468 00
165	Howard S. West, tool repairs	3 77
166	M. F. Shea, tool repairs	2 00
167	J. K. Sullivan, gravel	228 03
168	S. W. Coggeshall, new tools	14 61
169	The Broadway Hardware Company, maddocks	2 00
170	J. T. O'Connell, manilla rope	4 29
171	Jas. H. Donovan, tool repairs	2 75
172	A. & H. G. Hammett, lumber	1 12
173	D. J. Sullivan, tool repairs	1 05
174	J. K. Sullivan, gravel	345 38
175	D. J. Sullivan & Company, weighing gravel	8 70

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176	Newport Gas Light Company, cinders	$9 75
177	Benjamin N. Anthony, cinders	12 75
178	N. Y., N. H. & H. R. R. Co., cinders	25 00
179	Jas. F. Marden Company, lanterns	19 50
180	The Broadway Hardware Company, hose	18 00
181	Wm. B. Scott & Company, hose, etc	21 35
182	S. W. Coggeshall, hose and rakes	18 30
183	The Peckham Company, shovels and hose	40 00
184	Charles S. Goddard, hoop iron	1 20
185	Patrick Howard, kerosene	6 60
186	A. & H. G. Hammett, lumber	6 72
187	J. D. Johnston, lumber	75
188	Pinniger & Manchester Company, fuel	16 94
189	Charles S. Goddard, cart repairs	5 25
190	M. F. Shea, cart repairs	7 25
191	J. R. Chase, moror cycle repairs	47 83
192	H. H. Lawton, hose	2 25
193	Robert L. Oman, repairs	2 90
194	The Dustoline for Roads Company, dustoline	1338 23
	Pay Rolls	7677 65
		$42262 80

July

195	Providence Telephone Company, exchange service	$20 17
196	Ward Printing Company, printing and rubber stamp	9 00
197	The Birmingham Pen Company, pens	2 50
198	James J. Dugan, crushed stone	826 70
199	James J. Dugan, crushed stone	1048 23
200	J. K. Sullivan, gravel	2 36
201	The Broadway Hardware Company, wire	1 75
202	The Clinton Wire Cloth Company, screen	4 75
203	N. Y., N. H. & H. R. R. Co., freight	25
204	Harold L. Bond Company, copper burning brand	1 40
205	A. & H. G. Hammett, lumber	1 99
206	Wm. B. Scott & Company, saws, etc	1 05
207	Charles S. Goddard, tool repairs	60
208	James J. Dugan, crushed stone	312 59
209	Pinniger & Manchester Company, fuel	9 75
210	J. J. Martin, kerosene	6 60
211	The Broadway Hardware Company, nails	08
212	James J. Dugan, crushed stone	1 86
213	James J. Dugan, crushed stone	16 42
214	Pinniger & Manchester Company, fuel	47 55
215	A. & H. G. Hammett, lumber	2 05
216	S. W. Coggeshall, shovels, etc	13 75

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217	Wm. B. Scott & Company, wheelbarrows, etc.....	$9 70
218	M. F. Shea, tool repairs.....	50
219	Howard S. West, tool repairs.....	1 53
220	Charles S. Goddard, repair pounder.....	2 00
221	J. K. Sullivan, gravel.....	338 78
222	D. J. Sullivan & Company, weighing gravel.....	80
223	Harold L. Bond Company, new tools	4 95
224	Highways and Bridges, express.....	50
225	J. T. O'Connell, line.....	62
226	D. J. Sullivan, tool repairs.....	1 10
227	Charles S. Goddard, new tools.....	1 54
228	J. K. Sullivan, gravel	68 91
229	D. J. Sullivan & Company, weighing gravel.....	2 70
230	S. W. Coggeshall, padlock, etc	45
231	Howard S. West, tool repairs.....	61
232	J. K. Sullivan, gravel.....	67 35
233	James J. Dugan, crushed stone.....	2 98
234	Daniel J. Sullivan, tool repairs.....	2 76
235	M. F. Shea, tool repairs.....	1 00
236	J. K. Sullivan, gravel.....	45 45
237	D. J. Sullivan & Company, weighing gravel.....	2 00
238	J. T. O'Connell, line.....	20
239	D. J. Sullivan, tool repairs.....	3 05
240	Charles S. Goddard, tool repairs.....	20
241	M. F. Shea, tool repairs.....	25
242	N. Y., N. H. & H. R. R. Co., cinders.....	202 50
243	New England Steamship Company, cinders.....	11 00
244	Newport Gas Light Company, cinders.....	5 25
245	J. K. Sullivan, gravel.....	4 95
246	James Corrigan, rubble stone.....	3 00
247	Hector M. Henery, contract.....	574 39
248	Postal Telegraph-Cable Company, telegrams.....	54
249	J. T. O'Connell, line.....	1 23
250	Wm. B. Scott & Company, line.....	25
251	Pinniger & Manchester Company, fuel.....	7 25
252	M. F. Shea, cart repairs.....	5 35
253	The Dustoline for Roads Company, dustoline.....	547 63
	Pay Rolls.....	6441 87
	Assumed, Proving and Certifying Bonds.....	110 00
		$53069 34

August

254	The Milne Printery, printing.....	$6 00
255	Remington Ward, printing.....	6 00
256	George H. Carr, office supplies.....	72

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257	Sampson & Murdock Company, directory	$2 00
258	James J. Dugan, crushed stone	702 09
259	James J. Dugan, crushed stone	309 69
260	John M. Friend, brick and cement	14 80
261	J. K. Sullivan, gravel	34 17
262	S. W. Coggeshall, nails	4 65
263	The Broadway Hardware Company, shovel	1 60
264	Harold L. Bond Company, copper burning brand	1 20
265	Highways and Bridges, express	23
266	Newport Paper & Grocery Company, oatmeal	4 50
267	J. T. O'Connell, solder	68
268	Charles S. Goddard, tool repairs	12 85
269	James J. Dugan, crushed stone	777 11
270	James J. Dugan, crushed stone	681 04
271	Pinniger & Manchester Company, lumber	29 25
272	J. J. Martin, kerosene	6 60
273	Daniel J. Sullivan, tool repairs	4 66
274	Howard S. West, tool repairs	24
275	Charles S. Goddard, tool repairs	1 00
276	Alexander J. Fludder, cement	40
277	J. K. Sullivan, gravel	204 99
278	D. J. Sullivan & Company, weighing gravel	5 30
279	James J. Dugan, crushed stone	566 57
280	N. Y., N. H. & H. R. R. Co., cinders	60 00
281	Robert W. Curry, lumber, milling and carting	56 16
282	Wm. B. Scott & Company, nails	40
283	Patrick Howard, kerosene	6 05
284	Newport Paper & Grocery Company, oatmeal	4 50
285	Estate M. F. Shea, tool repairs	50
286	Howard S. West, tool repairs	1 00
287	Hector M. Henery, contract	493 69
288	Hector M. Henery, contract	565 32
289	Hector M. Henery, contract	470 41
290	N. Y., N. H. & H. R. R. Co., cinders	226 50
291	N. Y., N. H. & H. R. R. Co., cinders	107 50
292	New England Steamship Company, cinders	1 50
293	The Burbidge Company, repairing steps	1 95
294	Postal Telegraph-Cable Company, telegrams	1 10
295	Patrick Howard, kerosene	6 60
296	S. W. Coggeshall, lantern globes	22 50
297	The Broadway Hardware Company, level	1 55
298	Pinniger & Manchester Company, fuel	9 69
299	Estate M. F. Shea, cart repairs	10 75
300	Charles S. Goddard, cart repairs	50
301	J. T. O'Connell, manila rope	16

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302	N. Y., N. H. & H. R. R. Co., demurrage	$2 00
303	James H. Donovan, tool repairs	50
304	A. & H. G. Hammett, lumber	14 16
	Pay Rolls	6,056 44
		$64,569 11

September

305	The Mercury Publishing Company, printing Annual Reports	$150 00
306	Simon Hart, office supplies	5 00
307	Ward Printing Company, loose leaf binder	12 50
308	Highways and Bridges, postage	9 00
309	Howard S. West, tool repairs	1 15
310	Charles S. Goddard, tool repairs	1 00
311	J. Stacy Brown, crushed stone	38
312	James J. Dugan, crushed stone	33 79
313	James J. Dugan, crushed stone	81 37
314	J K. Sullivan, gravel	35 38
315	John M. Friend, cement	80
316	Newport Paper & Grocery Company, oatmeal	4 50
317	J. D. Johnston, lumber	2 04
318	S. W. Coggeshall, screws	46
319	Charles S. Goddard, tool repairs	10 60
320	James J. Dugan, crushed stone	665 15
321	James J. Dugan, crushed stone	256 78
322	Pinniger & Manchester Company, fuel	24 38
323	Charles S. Goddard, tool repairs	4 01
324	Daniel J. Sullivan, tool repairs	38
325	J. K. Sullivan, gravel	31 88
326	James J. Dugan, crushed stone	893 16
327	James J. Dugan, crushed stone	1,089 40
328	J. Stacy Brown, crushed stone	16 70
329	John H. Sullivan, cartage crushed stone	130 08
330	Pinniger & Manchester Company, fuel	34 13
331	Wm. K. Covell, iron tar kettles	7 50
332	Patrick Howard, kerosene	6 60
333	The Cleveland Vapor Light Company, repairs	6 15
334	N. Y., N. H. & H. R. R. Co., cinders	105 00
335	Robert W. Curry, lumber, etc	50 04
336	Wm. B. Scott & Company, nails	1 00
337	Howard S. West, tool repairs	85
338	J. K. Sullivan, gravel	3 47
339	D. J. Sullivan, tool repairs	1 45
340	Howard S. West, tool repairs	1 20
341	N. Y., N. H. & H. R. R. Co., cinders	21 00
342	Newport Gas Light Company, cinders	75

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343	Hector M. Henery, contract	$807 82
344	Hector M. Henery, contract	753 50
345	Postal Telegraph-Cable Company, telegrams	1 00
346	Pinniger & Manchester Company, fuel	21 75
347	Estate M. F. Shea, cart repairs	7 10
348	Charles S. Goddard, cart repairs	4 75
349	The Dustoline for Roads Company, dustoline	666 35
	Pay Rolls	6,242 05
		$76,772 46

October

350	Howard S. West, tool repairs	$3 10
351	Charles S. Goddard, tool repairs	5 00
352	Estate M. F. Shea, tool repairs	3 00
353	James J. Dugan, crushed stone	167 75
354	James J. Dugan, crushed stone	187 88
355	J. K. Sullivan, gravel	21 29
356	Pinniger & Manchester Company, fuel	4 88
357	The Broadway Hardware Company, tape	35
358	J. D. Johnston, pounders	4 00
359	James H. Donovan, tool repairs	1 15
360	J. D. Johnston, sash	1 44
361	James J. Dugan, crushed stone	8 40
362	James J. Dugan, crushed stone	562 40
363	Charles S. Goddard, tool repairs	8 90
364	Harold L. Bond Company, repairs	4 75
365	Highways and Bridges, express	32
366	Lynch Brothers, repairing asphalt heater	13 58
367	Pinniger & Manchester Company, fuel	14 62
368	S. W. Coggeshall, hose and picks	24 75
369	The Broadway Hardware Company, picks	12 00
370	Patrick Howard, kerosene	5 50
371	Howard S. West, tool repairs	80
372	J. K Sullivan, gravel	56 53
373	James J. Dugan, crushed stone	839 30
374	Pinniger & Manchester Company, fuel	19 50
375	N. Y., N. H. & H. R. R. Co , cinders	85 00
376	Robert W. Curry, lumber and cartages	20 98
377	Wm. B. Scott & Company, nails	40
378	Hector M. Henery, contract	1699 25
379	James J. Dugan, crushed stone	235 75
380	James J. Dugan, crushed stone	612 82
381	James J. Dugan, crushed stone	301 88
382	Howard S. West, tool repairs	3 00
383	N. Y., N. H. & H. R. R. Co., cinders	96 50

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384	J. K. Sullivan, gravel	$122 30
385	James J. Martin, kerosene	6 60
386	The Broadway Hardware Company, shovels	9 00
387	The Peckham Company, shovels	13 80
388	D. E. Sullivan, pails and dippers	90
389	Wm. B. Scott & Company, picks	2 60
390	Hector M. Henery, contract	911 65
391	Hector M. Henery, contract	1480 98
392	Charles S. Goddard, cart repairs	2 00
393	Ralph R. Barker, paint, etc	5 55
394	J. T. O'Connell, manila rope	52
	Pay Rolls	4829 92
		$89185 05

November

395	Providence Telephone Company, exchange service	$41 48
396	Aldine-Bradish Company, pencils	2 70
397	Kee Lox Manufacturing Company, ribbon coupons	4 50
398	Simon Hart, office supplies	95
399	Remington Ward, paper	7 00
400	Scannevin & Potter, desk portable light	4 50
401	Howard S. West, tool repairs	1 45
402	James J. Dugan, crushed stone	45 56
403	James J. Dugan, crushed stone	229 36
404	J. K. Sullivan, gravel	72 90
405	D. J. Sullivan & Company, weighing gravel	1 50
406	Wm. B. Scott & Company, lantern wicks	75
407	Charles S. Goddard, tool repairs	3 00
408	James J. Dugan, crushed stone	729 55
409	James J. Dugan, crushed stone	157 82
410	Pinniger & Manchester Company, fuel	24 37
411	The Broadway Hardware Company, stove lining	60
412	Charles S. Goddard, tool repairs	2 30
413	Howard S. West, tool repairs	3 60
414	James J. Dugan, crushed stone	850 87
415	Pinniger & Manchester Company, fuel	29 25
416	J. J. Martin, kerosene	5 50
417	James J. Dugan, crushed stone	220 02
418	James J. Dugan, crushed stone	152 49
419	J. K. Sullivan, gravel	79
420	James J. Dugan, crushed stone	99 43
421	James J. Dugan, crushed stone	113 56
422	James J. Dugan, crushed stone	182 12
423	James J. Dugan, crushed stone	137 19
424	Howard S. West, tool repairs	55

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425	J. K. Sullivan, gravel	$79 58
426	D. J. Sullivan & Company, weighing gravel	30
427	J. K. Sullivan, gravel	65 51
428	Sidney B. Gladding, gasoline	6 75
429	J. T. O'Connell, paint	5 65
430	Ralph R. Barker, oil	15
	Pay Rolls	3348 09
		$95816 74

December

431	Providence Telephone Company, exchange service	$20 17
432	Saml. T. H. Ailman, envelopes	1 00
433	George H. Carr, office supplies	3 80
434	D. J. Sullivan, tool repairs	6 90
435	Charles S. Goddard, tool repairs	1 86
436	James J. Dugan, crushed stone	1147 36
437	James J. Dugan, crushed stone	497 67
438	J. K. Sullivan, gravel	25 84
439	Hector M. Henery, laying granolithic sidewalk, Long Wharf	26 69
440	J. D. Johnston, lumber	4 00
441	S. W. Coggeshall, shovel	1 30
442	James J. Dugan, crushed stone	105 77
443	James H. Donovan, tool repairs	75
444	A. & H. G. Hammett, lumber and screws	5 72
445	J. D. Johnston, shingles	1 13
446	S. W. Coggeshall, tar paper, etc	1 37
447	Wm. K. Covell, pipe	6 20
448	J. K. Sullivan, gravel	6 66
449	J. K. Sullivan, gravel	1 18
450	Hector M. Henery, contract, laying Gran. Sidewalks	1415 34
451	Hector M. Henery, contract, laying Gran. Sidewalks	339 35
452	Hector M. Henery, contract, laying Gran. Sidewalks	257 19
453	J. K. Sullivan, gravel	34
454	J. T. O'Connell, solder, etc	90
455	Phineas C. Clark, angle iron	75
	Pay Rolls	1318 80
	½ of Street Commissioner's Salary, (Assumed)	750 00
		$101764 78

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PUBLIC RECREATIONS

	March	
	Pay Rolls	$11 63
	April	
4	Thos. Moon & Son, contract	$100 00
	Pay Rolls	36 33
		$147 96
	May	
6	The Broadway Hardware Company, lawn mower, etc.	$14 50
7	Alexander J. Fludder, contract	475 57
	Pay Rolls	79 00
		$717 03
	June	
9	Thos. Moon & Son, pier repairs	$126 90
10	Wm. F. Tripp, broom	50
	Pay Rolls	64 69
		$909 12
	July	
	Pay Rolls	$45 00
		$954 12
	August	
18	J. K. Sullivan, contract	$845 00
19	J. D. Johnston, lumber	84
	Pay Rolls	47 75
		$1,847 71
	September	
22	J. K. Sullivan, contract, repairs	$75 00
23	A. & H. G. Hammett, lumber	1 50
	Pay Rolls	65 63
		$1,989 84
	October	
	Pay Rolls	$13 50
		$2,003 34
	December	
26	J. T. O'Connell, turpentine, etc	$1 25
	Pay Rolls	58 63
		$2,063 22

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PUBLIC RECREATIONS

MISCELLANEOUS

January

1	James H. Donovan, tool repairs	$2 00
	Pay Rolls	27 87
		$29 87

March

2	Philip F. Conroy, globes	$12 00
3	James H. Donovan, tool repairs	75
	Pay Rolls	89 37
		$131 99

April

5	James H. Donovan, tool repairs	$0 50
	Pay Rolls	1 25
		$133 74

May

8	The Broadway Hardware Company, new tools	$1 50
	Pay Rolls	5 25
		$140 49

June

11	J. K. Sullivan, gravel	$0 94
12	Stephen L. Goddard, repair fountain	6 85
13	John H. Marks, repair fountain	8 95
14	Sullivan Brothers, repair fountain	1 35
15	Broadway Hardware Company, hand saw	2 00
	Pay Rolls	4 13
		$163 81

July

16	Stephen L. Goddard, contract	$20 00
17	Downing Brothers, sulphur	70
	Pay Rolls	29 63
		$214 14

August

20	James H. Donovan, tool repairs	$0 75
21	Alexander MacLellan, trimming trees	56 00
	Pay Rolls	6 62
		$277 51

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September

24	Alexander MacLellan, trimming trees	$21 00
	Pay Rolls	6 88
		$305 39

October

25	John H. Marks, repair fountain	$3 75
	Pay Rolls	2 75
		$311 89

November

	Pay Rolls	$1 32
		$313 21

December

27	Sullivan Brothers, turning off water, fountain	$1 70
28	James H. Donovan, tool repairs	3 50
	Pay Rolls	43 18
		$361 59

PUBLIC DOCKS AND WHARVES

January

1	Pinniger & Manchester Company, fuel	$7 25
	Pay Rolls	60 75
		$68 00

February

2	Highways and Bridges, repairs	$0 50
3	Pinniger & Manchester Company, fuel	21 75
4	Newport Paper & Grocery Company, supplies	84
	Pay Rolls	54 00
		$145 09

March

5	Pinniger & Manchester Company, fuel	$14 50
	Pay Rolls	67 50
		$227 09

April

6	Pinniger & Manchester Company, fuel	$7 25
7	Wm. B. Scott & Company, broom	50
	Pay Rolls	59 50
		$294 34

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May

8	Pinniger & Manchester Company, fuel	$7 25
9	Newport Paper & Grocery Company, supplies	84
	Pay Rolls	54 00
		$356 43

June

10	A. & H. G. Hammett, lumber	$3 61
11	J. D. Johnston, lumber	1 35
12	J. T. O'Connell, paint and brushes	4 90
	Pay Rolls	84 00
		$450 29

July

13	The Broadway Hardware Company, broom, etc	$2 85
14	Newport Paper & Grocery Company, supplies	84
15	A. & H. G. Hammett, lumber	8 68
16	Wm. B. Scott & Company, bolts	96
	Pay Rolls	70 62
		$534 24

August

17	John Reardon, repair float	$15 00
18	J. T. O'Connell, paint	4 20
	Pay Rolls	60 00
		$613 44

September

19	J. T. O'Connell, paint	$2 65
	Pay Rolls	81 62
		$697 71

October

20	Newport Paper & Grocery Company, supplies	$0 84
	Pay Rolls	61 38
		$759 93

November

21	The A. C. Titus Company, chair, office	$8 00
22	Wm. B. Scott & Company, broom	60
	Pay Rolls	61 37
		$829 90

December

23	Pinniger & Manchester Company, fuel	$36 25
24	Walsh Brothers, stove	22 20
25	The Broadway Hardware Company, oil stove	1 30

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26	J. T. O'Connell, broom	$ 65
	Pay Rolls	76 67
		$966 97

NON-APPORTIONED

January

Stable:

1	H. L. Marsh & Company, forage	$163 11
2	The Broadway Hardware Company, salts and holder	2 65
3	The Texas Company, gasoline	8 50
4	Wm. A. Stoddard, medicine	6 00
5	Oliver R. Braman, harness repairs	65
6	Henry H. Lawton, supplies	19 20
7	R. G. Biesel, blankets, etc	16 00
8	S. W. Coggeshall, hose, etc	4 15
9	The King & MacLeod Company, duck, etc	1 73
10	Charles S. Goddard, cart repairs	2 70
11	Wm. B. Scott & Company, supplies	1 16
12	J. T. O'Connell, rope, etc	80
13	Peter F. Clark & Company, shoeing	9 00
14	P. M. Shea, shoeing	7 38
15	Daniel J. Sullivan, shoeing	25
16	Shreenan & Sullivan, shoeing	6 25
	Pay Rolls	122 88

Rollers:

17	The Peckham Company, hose	15 00
18	Harold L. Bond Company, new tools	13 54
	Pay Rolls	204 63
		$605 58

February

Stable:

19	Dennis Shanahan, forage	$195 11
20	Ralph R. Barker, paint	12 00
21	J. T. O'Connell, rope and bolts	36
22	Oliver R. Braman, blankets	13 50
23	Henry H. Lawton, blankets and straps	14 50
24	R. G. Biesel, supplies and repairs	8 90
25	Wm. B. Scott & Company, snaps	1 35
26	Charles S. Goddard, shoeing	25
27	Peter F. Clark & Company, shoeing	4 50
28	Daniel Beard, shoeing	9 26
29	Daniel J. Sullivan, shoeing	4 50
30	P. M. Shea, shoeing	7 38
31	Shreenan & Sullivan, shoeing	10 00
	Pay Rolls	112 98

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Rollers:

32	Pinniger & Manchester Company, fuel	5 70
33	S. W. Coggeshall, solarine	1 10
34	Ralph R. Barker, paint	8 46
35	Buffalo Steam Roller Company, supplies and repairs	40 40
36	John F. Scott, Agent, duck curtains, etc	17 30
37	J. D. Johnston, lumber and milling	99
38	J. T. O'Connell, tacks	35
39	Dudley P. Bacheller, repairs	3 00
40	Walworth Manufacturing Company, repairs	13 12
	Pay Rolls	214 38

Materials:

41	J. J. Martin, kerosene	5 50
		$1310 47

March

Stable:

42	J. G. Stevens, forage	$164 49
43	Newport Gas Light Company, gas	2 31
44	Oliver R. Braman, supplies and repairs	34 85
45	Henry H. Lawton, storm covers, etc	34 00
46	S. W. Coggeshall, solarine	1 10
47	J. D. Johnston, lumber and milling	1 80
48	Charles S. Goddard, cart repairs	10 40
49	Peter F. Clarke & Company, shoeing	5 25
50	P. M. Shea, shoeing	6 13
51	Daniel J. Sullivan, shoeing	4 50
52	Daniel Beard, shoeing	5 38
53	Shreenan & Sullivan, shoeing	2 25
	Pay Rolls	301 99

Rollers:

54	Pinniger & Manchester Company, fuel	5 70
55	Ralph R. Barker, paint	4 75
56	Charles S. Goddard, steel pins	12 00
57	The Peckham Company, wrench	40
58	J. T. O'Connell, paint, etc	12 42
59	Lynch Brothers, repairs	2 30
60	The New England Steamship Company, repairs	1 78
61	Buffalo Steam Roller Company, scraper blades	14 00
62	N. Y., N. H. & H. R. R. Co., freight	89
63	Highways and Bridges, express	55
	Pay Rolls	291 75

Materials:

64	Patrick Howard, kerosene	5 50
		$2,236 96

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April

Stable:

65	H. L. Marsh & Company, forage	$218 37
66	Ralph R. Barker, paint	1 50
67	J. H. Shea, dental work	4 00
68	R. G. Biesel, supplies and harness repairs	21 60
69	Henry H. Lawton, harness repairs	12 35
70	The Broadway Hardware Company, snaps	1 50
71	J. T. O'Connell, sponge	30
72	Charles S. Goddard, cart repairs	14 70
73	Dudley P. Bacheller, wagon repairs	5 30
74	M. F. Shea, cart repairs	1 50
75	J. D. Johnston, lumber and screws	1 96
76	J. R. Chase, motor cycle repairs	2 80
77	Daniel Beard, shoeing	4 50
78	Peter F. Clark & Company, shoeing	5 12
79	Daniel J. Sullivan, shoeing	3 50
80	Shreenan & Sullivan, shoeing	8 25
81	P. M. Shea, shoeing	9 00
	Pay Rolls	160 77

Rollers:

82	Pinniger & Manchester Company, fuel	99 30
83	J. J Martin, kerosene	6 60
84	Jas. F. Marden Company, pails	1 80
85	Wm. B. Scott & Company, tape lines	1 35
86	J. T. O'Connell, rope	25
87	Buffalo Steam Roller Company, scraper blades	3 20
88	Highways and Bridges, express	68
89	Lynch Brothers, pipe, etc.	1 14
90	S. W. Coggeshall, screws	28
91	J. D. Johnston, lumber and milling	1 75
95	W. L. Nordling, lard oil	50 93
	Pay Rolls	63 72

Materials:

92	Hooper, Havey & Company, curb and culls	3,182 14
93	Highways and Bridges, freight on curb and culls	28 00
94	Schooner, "Jeremiah Smith", freight on curb, etc.	800 00
96	Fuller Iron Works, manhole covers and rims	54 00
97	Highways and Bridges, freight	2 13
		$7,011 25

May

Stable:

98	Dennis Shanahan, forage	$163 71
99	Daniel Beard, liniment	2 25
100	Henry H. Lawton, supplies and repairs	16 50

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101	The Broadway Hardware Company, halter snaps	$ 75
102	Dudley P. Bacheller, repair buggy	8 90
103	J. R. Chase, motor cycle repairs	4 67
104	Daniel J. Sullivan, shoeing	4 50
105	P. M. Shea, shoeing	4 90
106	Shreenan & Sullivan, shoeing	4 60
107	Daniel Beard, shoeing	4 50
108	Peter F. Clark & Company, shoeing	8 12
	Pay Rolls	67 62
Rollers:		
109	Pinniger & Manchester Company, fuel	118 84
110	Wm. K. Covell, supplies	90
111	Patrick Howard, kerosene	6 05
112	J. T. O'Connell, waste, etc	37 95
113	Lynch Brothers, repairs	1 82
114	Walworth Manufacturing Company, rubber washers	30
Materials:		
115	The Haverstraw Crushed Stone Company, stone	1,134 00
116	Warner-Quinlan Asphalt Company, asphalt	7,987 77
117	J. K. Sullivan, discharging stone and asphalt	255 96
		$16,845 86

June

Stable:		
118	J. G. Stevens, forage	$197 36
119	Newport Gas Light Company, gas	11
120	H. H. Lawton, repair bridle, etc	1 15
121	Oliver R. Braman, harness repairs and supplies	32 20
122	Charles S. Goddard, cart repairs	1 85
123	C. L. Tallman, wagon	40 00
124	Dr. C. Horseman, vet. services, etc	10 00
125	Wm. B. Scott & Company, axle grease	2 00
126	James McBride, liniment	4 00
127	Highways and Bridges, express	32
128	Daniel J. Sullivan, shoeing	4 50
129	Daniel Beard, shoeing	4 50
130	P. M. Shea, shoeing	12 13
131	Shreenan & Sullivan, shoeing	9 76
132	Peter F. Clark & Company, shoeing	5 50
	Pay Rolls	91 50
Rollers:		
133	Pinniger & Manchester Company, fuel	138 79
134	W. L. Nordling, oils	74 23
135	Patrick Howard, kerosene	5 50
136	Lynch Brothers, repairs	2 15
137	S. W. Coggeshall, chain	15

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138	Buffalo Steam Roller Company, repairs	$1 30
139	Highways and Bridges, express	44
140	Walworth Manufacturing Company, repairs	53
141	The Broadway Hardware Company, hose and couplings	15 00
Materials:		
142	Hooper, Havey & Company, culls	227 50
143	William Hamilton, freight on culls	50 00
		$17778 33

July

Stable:		
144	H. L. Marsh & Company, forage	$177 93
145	R. G. Biesel, supplies and repairs	9 90
146	Howard S. West, repair wagon	8 50
147	The Broadway Hardware Company, whiffletrees	6 00
148	Charles S. Goddard, cart repairs	2 50
149	Ralph R. Barker, paint and sandpaper	27
150	S. W. Coggeshall, solarine	1 10
151	J. R. Chase, motor cycle repairs	29 93
152	Downing Brothers, arnica	35
153	Daniel Beard, shoeing	5 50
154	Shreenan & Sullivan, shoeing	8 89
155	Daniel J. Sullivan, shoeing	4 51
156	P. M. Shea, shoeing	8 51
157	Peter F. Clark & Company, shoeing	10 24
	Pay Rolls	100 83
Rollers:		
158	Pinniger & Manchester Company, fuel	115 99
159	Newport Water Works, roller repairs	1 60
160	Newport Paper & Grocery Company, oatmeal	4 25
Materials:		
161	Fuller Iron Works, manhole covers and rims	54 00
162	Highways and Bridges, freight	2 11
163	J. J. Martin, kerosene	5 50
164	Patrick Howard, kerosene	6 05
		$18342 79

August

Stable:		
165	Dennis Shanahan, forage	$164 59
166	Henry H. Lawton, supplies and repairs	30 90
167	The Broadway Hardware Company, whiffletrees	3 00
168	Howard S. West, repair cart	6 50
169	Estate M. F. Shea, cart repairs	3 00
170	Wm. B. Scott & Company, axle grease	2 00
171	J. R. Chase, motor cycle repairs	5 55
172	Daniel Beard, shoeing	4 50
173	Peter F. Clark & Company, shoeing	5 87

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174	P. M. Shea, shoeing	$5 39
175	Shreenan & Sullivan, shoeing	6 26
	Pay Rolls	84 54
Rollers:		
176	Pinniger & Manchester Company, fuel	119 65
177	W. L. Nordling, lard oil	50 93
178	S. W. Coggeshall, hose, etc	18 60
179	Buffalo Steam Roller Company, scraper bracket	2 50
180	Highways and Bridges, express	36
181	Lynch Brothers, repairs	2 78
182	Walworth Manufacturing Company, rubber washers	44
183	Estate M. F. Shea, tool repairs	25
Materials:		
184	The Haverstraw Crushed Stone Company, trap rock	1025 50
185	J. K. Sullivan, discharging trap rock	201 73
186	N. Y., N. H. & H. R. R. Co., cinders	60 00
		$20147 63

September

Stable:		
187	J. G. Stevens, forage	$229 10
188	O. R. Braman, supplies and repairs	24 60
189	Estate M. F. Shea. cart repairs	4 00
190	Charles S. Goddard, cart repairs	3 50
191	J. D. Johnston, lumber	50
192	Newport Gas Light Company, gas	66
193	George Stanhope, soap	4 15
194	Daniel Beard, shoeing and liniment	5 50
195	Shreenan & Sullivan, shoeing	8 89
196	P. M. Shea, shoeing	18 03
197	Peter F. Clark & Company, shoeing	5 87
198	Daniel J. Sullivan, shoeing	9 00
	Pay Rolls	104 28
Rollers:		
199	Pinniger & Manchester Company, fuel	169 31
200	Buffalo Steam Roller Company, repairs	2 20
201	Charles S. Goddard, drill	75
202	W. L. Nordling, oils	82 96
203	J. J. Martin, kerosene	12 10
Materials:		
204	John M. Friend, cement	4 80
		$20832 83

October

Stable:		
205	H. L. Marsh & Company, forage	$168 70
206	Charles S. Goddard, cart repairs	7 80
207	Estate M. F. Shea, cart repairs	11 00

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208	R. G. Biesel, harness repairs and sponge	$8 90
209	J. T. O'Connell, rope	13
210	S. W. Coggeshall, solarine	1 10
211	Wm. B. Scott & Company, grease	2 00
212	J. R. Chase, motor cycle repairs	9 35
213	P. M. Shea, shoeing	8 51
214	Shreenan & Sullivan, shoeing	5 57
215	Peter F. Clark & Company, shoeing	5 87
216	Daniel J. Sullivan, shoeing	50
217	Daniel Beard, shoeing	5 50
	Pay Rolls	105 70
Rollers:		
218	Pinniger & Manchester Company, fuel	130 24
219	J. T. O'Connell, waste	22 50
220	Lynch Brothers, repairs	2 18
221	Buffalo Steam Roller Company, repairs	2 32
222	Highways and Bridges, express	28
Materials:		
223	N. Y., N. H. & H. R. R. Co., cinders	75 00
224	John M. Friend, cement	12 40
225	Fuller Iron Works, manhole covers and rims	27 00
226	Highways and Bridges, freight	1 05
		$21,446 43

November

Stable:		
227	Dennis Shanahan, forage	$175 27
228	Henry H. Lawton, supplies and repairs	8 40
229	Julius Burdick, gasoline	15 75
230	Dudley P. Bacheller, cart repairs	49 83
231	Estate M. F. Shea, cart repairs	18 50
232	J. R. Chase, motor cycle repairs	3 00
233	Shreenan & Sullivan, shoeing	8 02
234	Peter F. Clark & Company, shoeing	5 12
235	P. M. Shea, shoeing	6 75
236	Daniel J. Sullivan, shoeing	4 50
237	Daniel Beard, shoeing	4 50
	Pay Rolls	99 45
Rollers:		
238	Pinniger & Manchester Company, fuel	104 18
239	W. L. Nordling, oil	25 24
Materials:		
240	Fuller Iron Works, manhole covers and rims	27 00
241	Highways and Bridges, freight	1 03
242	Patrick Howard, kerosene	6 60
		$22,009 57

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December

Stable:

243	J. G. Stevens, forage	$198 01
244	The Broadway Hardware Company, roto salt	2 50
245	Oliver R. Braman, supplies	20 30
246	Charles S. Goddard, cart repairs	4 00
247	Howard S. West, cart repairs	1 50
248	Wm. K. Covell, copper boiler	5 00
249	S. W. Coggeshall, padlock	60
250	Dr. C. Horseman, vet. services and medicine	15 00
251	Wm. A. Stoddard, medicine	8 00
252	James McBride, liniment	4 00
253	Newport Gas Light Company, gas	99
254	Peter F. Clark & Company, shoeing	5 12
255	Daniel Beard, shoeing and liniment	5 50
256	P. M. Shea, shoeing	5 38
257	Shreenan & Sullivan, shoeing	4 88
258	Daniel J. Sullivan, shoeing	4 50
	Pay Rolls	142 42

Rollers:

259	Pinniger & Manchester Company, fuel	59 83
260	Patrick Howard, kerosene	6 05
261	Lynch Brothers, valves, etc	1 55
262	Charles S. Goddard, wrench, etc	1 75
	Pay Rolls	301 50

Materials:

263	Alexander J. Fludder, cement	3 14
		$22,811 09

Summary

Public Weights and Measures	$5 50
Public Safety	44 47
Public Sanitation	63,038 11
Public Highways and Bridges	101,764 78
Public Recreations	2,063 22
Public Recreations, Miscellaneous	361 59
Public Docks and Wharves	966 97
	$168,244 64
Non-Apportioned	22,811 09
Total	$191,055 73

Respectfully submitted,

WILLIAM HAMILTON,
Street Commissioner.

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